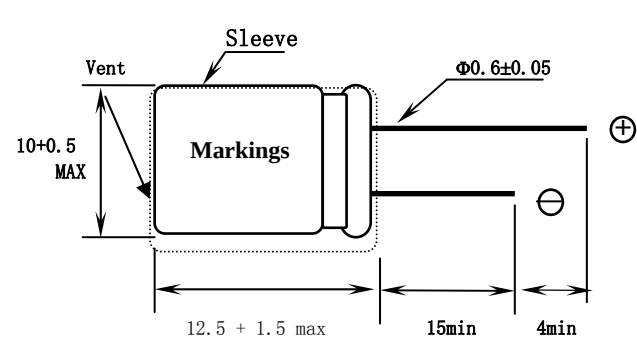
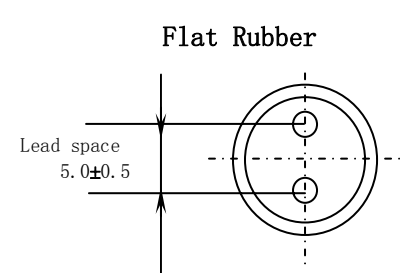
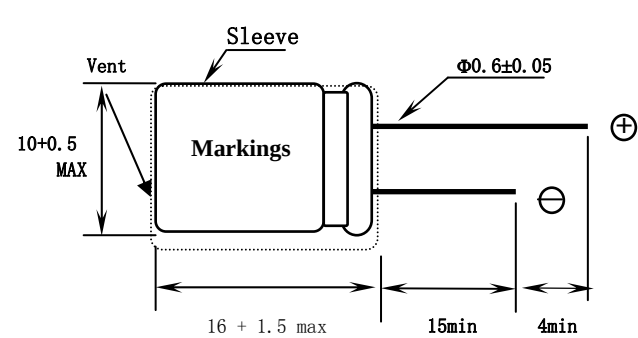
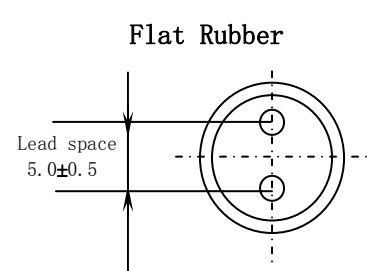
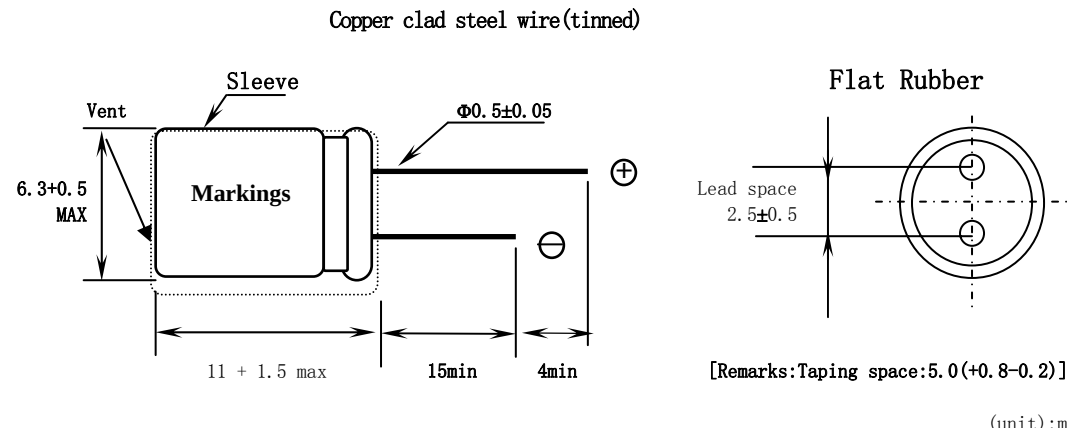


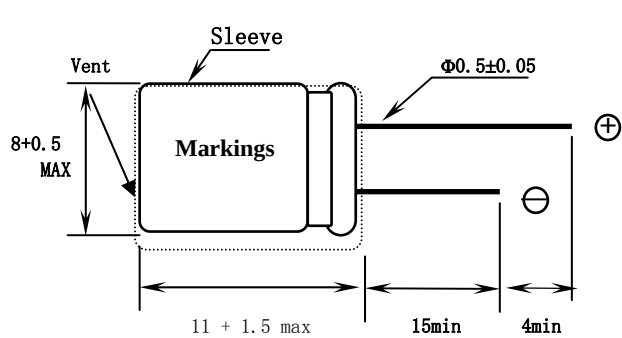
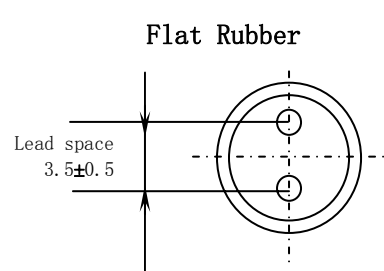
Aluminum Electrolytic Capacitor Specification

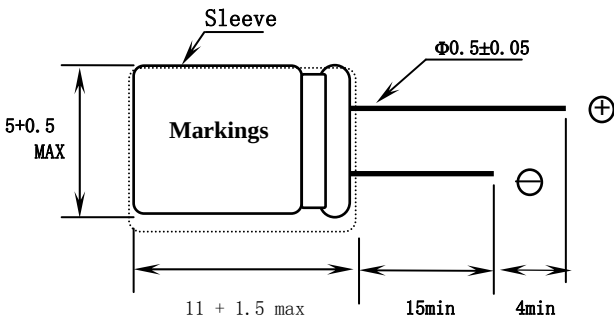
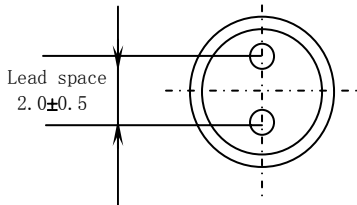
Series	KLH	10 V 1000 μF	Part No.	KLH-010V102MG125
Customer No.	/		Case size	ΦD 10 X L 12.5
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.19 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 100 μA （ 20℃ 10 V 2 min ）	
	Impedance (MAX)		0.12 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		900 mArms （ 100KHz , 105℃ ）	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	10 V 1000 μ F	Part No.	KLH-010V102MG160-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.19 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 100 μ A (20 $^{\circ}$ C 10 V 2 min)	
	Impedance (MAX)		0.072 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		1010 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

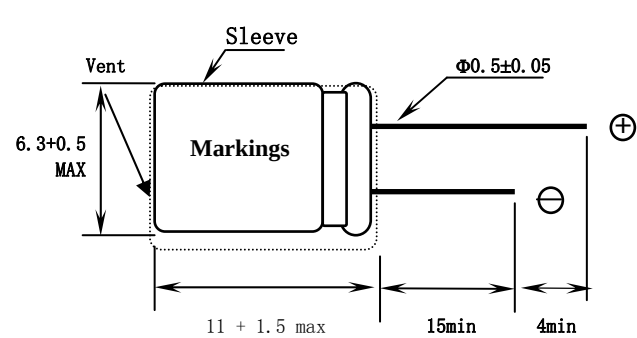
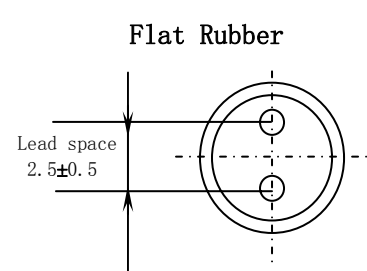
Aluminum Electrolytic Capacitor Specification				
Series	KLH	10 V 220 μF	Part No.	KLH-010V221ME110-T/A5.0
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.19 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 22 μA （ 20℃ 10 V 2 min ）	
	Impedance (MAX)		0.28 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		330 mArms(100KHz , 105℃)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	10 V 470 μF	Part No.	KLH-010V471MF110-T/A5.0
Customer No.	/		Case size	ΦD 8 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.19 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 47 μA （ 20℃ 10 V 2 min ）	
	Impedance (MAX)		0.115 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		555mArms （ 100KHz , 105℃ ）	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

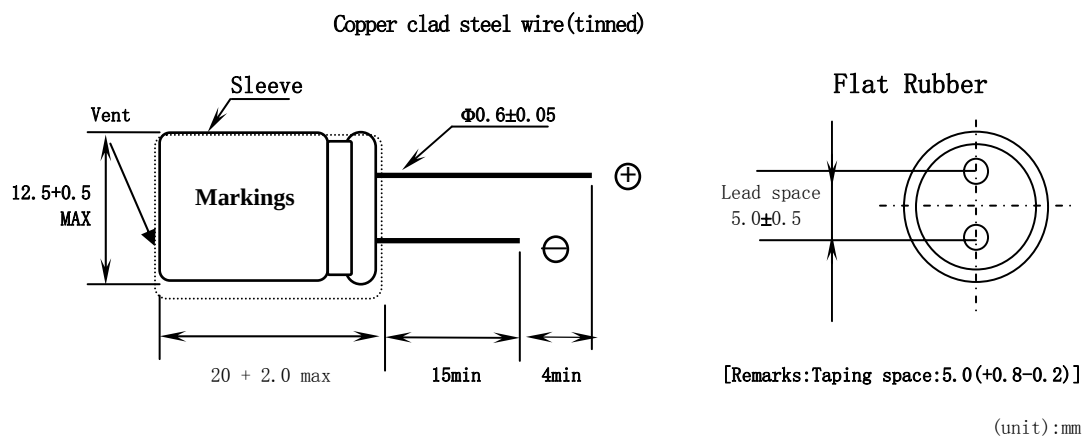
Aluminum Electrolytic Capacitor Specification				
Series	KLH	16 V 100 μF	Part No.	KLH-016V101MC110-T/A2.5
Customer No.	/		Case size	ΦD 5 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.16 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 16 μA （ 20℃ 16 V 2 min ）	
	Impedance (MAX)		0.40 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		230 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:2.5(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

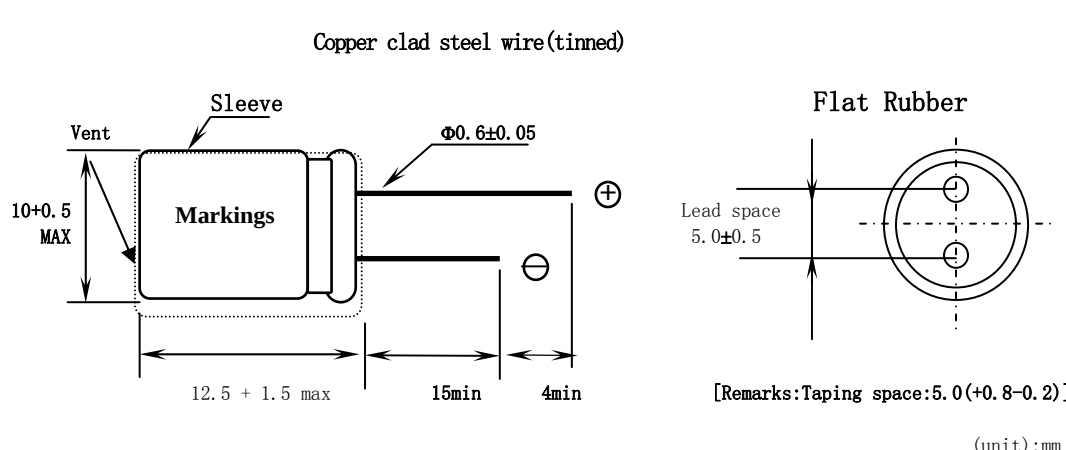
Series	KLH	16 V 220 μF	Part No.	KLH-016V221ME110-T/A2.5
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.16 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 35.2 μA （ 20℃ 16 V 2 min ）	
	Impedance (MAX)		0.30 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		380 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:2.5 (+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

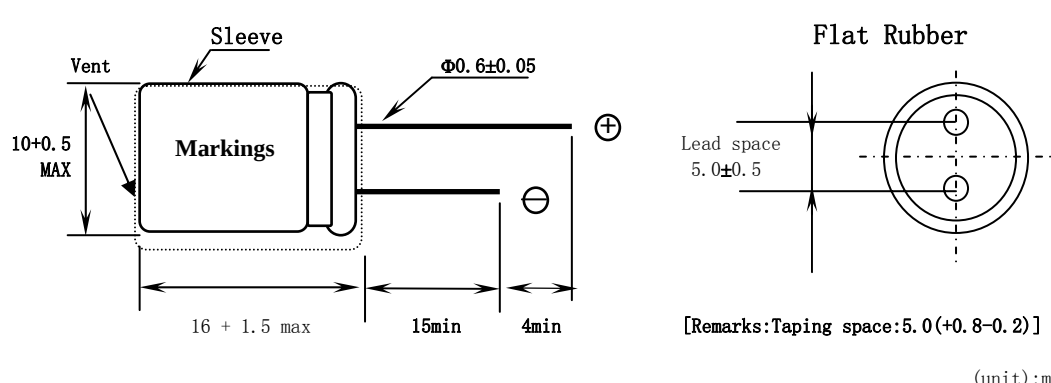
Aluminum Electrolytic Capacitor Specification				
Series	KLH	16 V 2200 μ F	Part No.	KLH-016V222MG250
Customer No.	/		Case size	Φ D 10 X L25
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.18 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 352 μ A (20 $^{\circ}$ C 16 V 2 min)	
	Impedance (MAX)		0.05 Ω (100kHz, 20 $^{\circ}$ C)	
	Ripple current (MAX)		1750 mArms (100kHz , 105 $^{\circ}$ C)	
	Load life		5000hrs	
Outline	Sleeve color		Deep green	
	Marking color		White	
	(Dimensions)			
	The drawing shows a side view of the capacitor with a cylindrical body and a sleeve. Labels include: Vent, Sleeve, Markings, Copper clad steel wire(tinned), $\Phi 0.6 \pm 0.05$, 10 ± 0.5 MAX, $25 + 2.0$ max, 15min, 4min, and polarity symbols $\oplus$ and $\ominus$. The end view shows a circular cross-section with two leads and a label 'Flat Rubber' with a dimension of 5.0 $\pm$ 0.5. A note at the bottom right states '(unit):mm'.			
Recorder	(The first edition) : 2014-9-6			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	16 V 2200 μ F	Part No.	KLH-016V222MH200-T/A5.0
Customer No.	/		Case size	Φ D 12.5 X L 20
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.18 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 352 μ A (20 $^{\circ}$ C 16 V 2 min)	
	Impedance (MAX)		0.04 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		1760 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

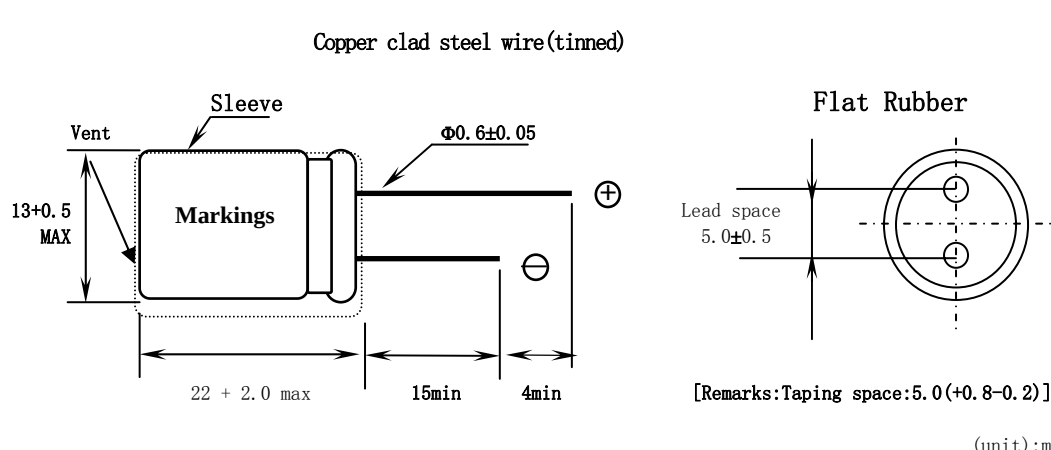
Aluminum Electrolytic Capacitor Specification

Series	KLH	16 V 470 μF	Part No.	KLH-016V471MG125-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 12.5
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.16 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 75.2 μA （ 20℃ 16 V 2 min ）	
	Impedance (MAX)		0.095 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		722mA _{rms} （ 100KHz , 105℃ ）	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Side view labels: Vent, Sleeve, Markings, Φ0.6±0.05, 10±0.5 MAX, 12.5 + 1.5 max, 15min, 4min, ⊕, ⊖. End view labels: Flat Rubber, Lead space 5.0±0.5, [Remarks:Taping space:5.0(+0.8-0.2)], (unit):mm.			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

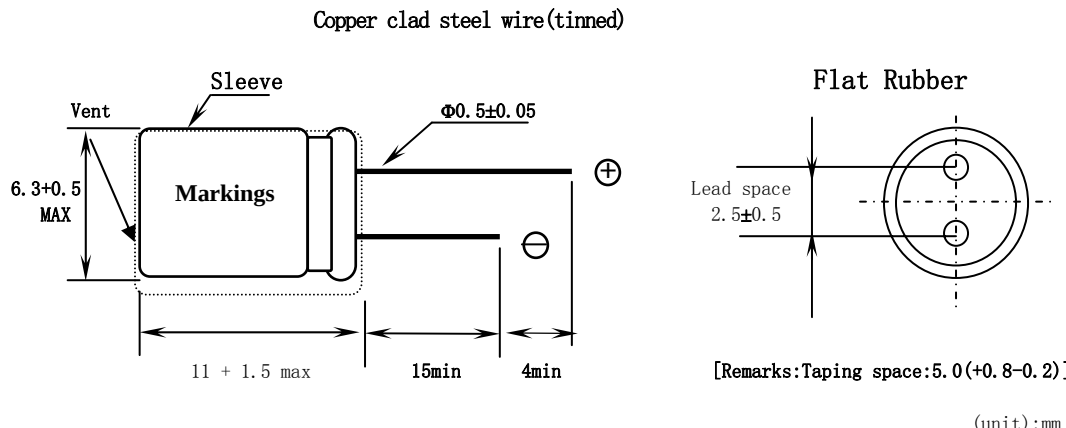
Aluminum Electrolytic Capacitor Specification				
Series	KLH	16 V 470 μ F	Part No.	KLH-016V471MG160-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.16 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 75.2 μ A (20 $^{\circ}$ C 16 V 2 min)	
	Impedance (MAX)		0.08 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		810 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Side view dimensions: Vent, Sleeve, Markings, 10+0.5 MAX, 16 + 1.5 max, 15min, 4min, Φ0.6$\pm$0.05, $\oplus$, $\ominus$. End view dimensions: Flat Rubber, Lead space 5.0$\pm$0.5, [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

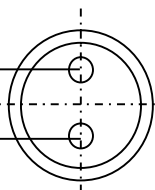
Aluminum Electrolytic Capacitor Specification				
Series	KLH	25 V 1000 μ F	Part No.	KLH-025V102MG170-T/A5.0
Customer No.			Case size	Φ D 10 X L17
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C ,120Hz)	
	Dissipation factor (MAX)		(Less than) 0.14 (20 $^{\circ}$ C ,120Hz)	
	Leakage current (MAX)		(Less than) 250 μ A (20 $^{\circ}$ C 25 V 2 min)	
	Impedance (MAX)		0.08 Ω (100kHz, 20 $^{\circ}$ C)	
	Ripple current (MAX)		1130 mA (100kHz ,105 $^{\circ}$ C)	
	Load life		5000hrs	
Outline	Sleeve color		Deep green	
	Marking color		White	
	(Dimensions)			
	The drawing shows a side view and an end view of the capacitor. The side view labels include: Vent, Sleeve, Markings, Copper clad steel wire(tinned), $\Phi 0.6 \pm 0.05$, 10 ± 0.5 MAX, 17 ± 1.5 max, 15min, and 4min. The end view labels include: Flat Rubber, Taping space $5.0(+0.8-0.2)$, and a unit label (unit):mm.			
Recorder	(The first edition) : 2013-11-30			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

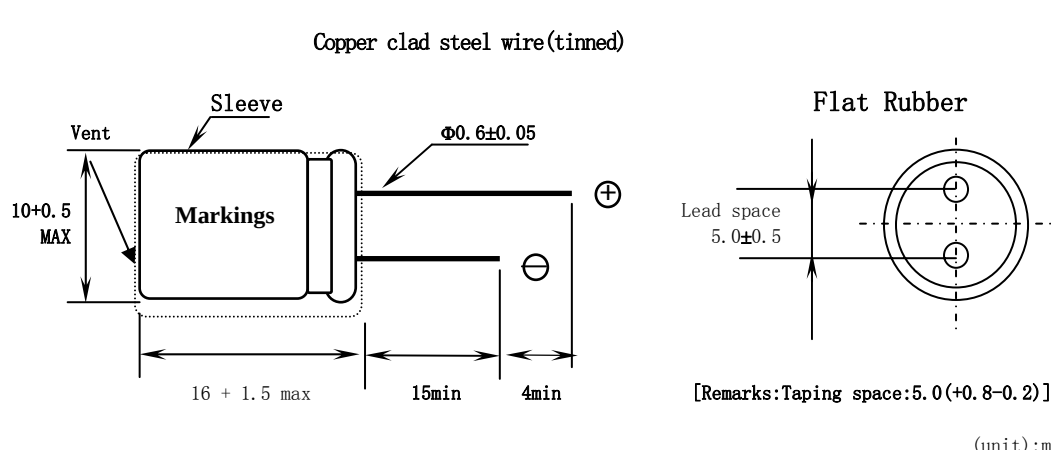
Aluminum Electrolytic Capacitor Specification

Series	KLH	25 V 2200 μ F	Part No.	KLH-025V222MI220-T/A5.0
Customer No.	/		Case size	Φ D 13 X L 22
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.16 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 550 μ A (20 $^{\circ}$ C 25 V 2 min)	
	Impedance (MAX)		0.035 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		2000 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Side view labels: Vent, Sleeve, Markings, $\Phi 0.6 \pm 0.05$, $13 + 0.5$ MAX, $22 + 2.0$ max, 15min, 4min, $\oplus$, $\ominus$. End view label: Flat Rubber. Lead space: 5.0 ± 0.5. [Remarks: Taping space: $5.0 (+0.8 - 0.2)$] (unit): mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

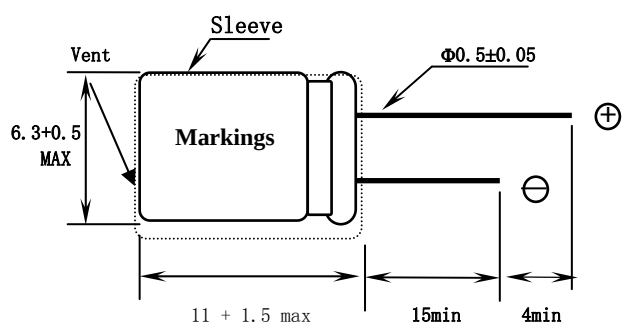
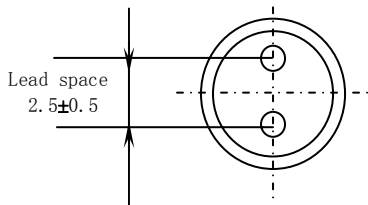
Aluminum Electrolytic Capacitor Specification

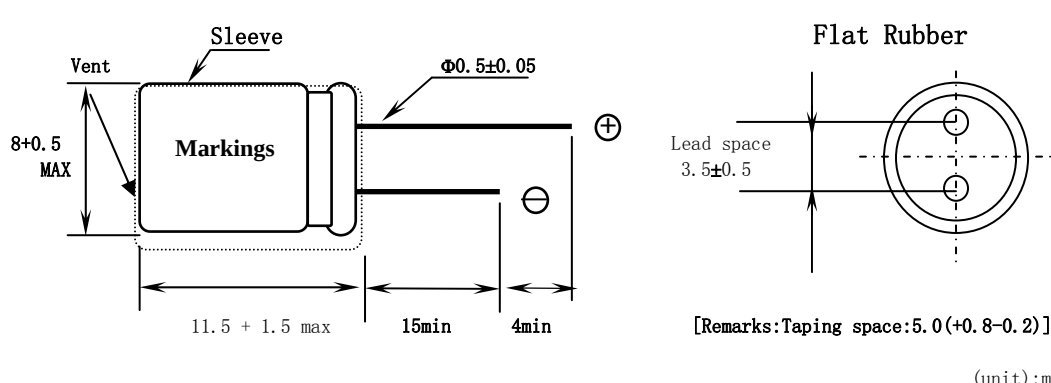
Series	KLH	25 V 47 μ F	Part No.	KLH-025V470ME110-T/A5.0
Customer No.	/		Case size	Φ D 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.14 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 11.75 μ A (20 $^{\circ}$ C 25 V 2 min)	
	Impedance (MAX)		0.40 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		265 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	25 V 470 μF	Part No.	KLH-025V471MF120-T/A3.5
Customer No.			Case size	ΦD 8 X L12
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% (20℃ , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.14 (20℃ , 120Hz)	
	Leakage current (MAX)		(Less than) 117.5 μA (20℃ 25 V 2 min)	
	Impedance (MAX)		0.12 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		700 mA (100KHz , 105℃)	
	Load life		3000hrs	
Outline	Sleeve color		Deep green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Vent 8+0.5 MAX Sleeve Markings 12+1.5max Φ0.5±0.05 ⊕ ⊖ 15min 5min Lead space 3.5±0.5  [Remarks: taping space 3.5(+0.8/-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-3-11			
Wrote by: YUHAIHUAN		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

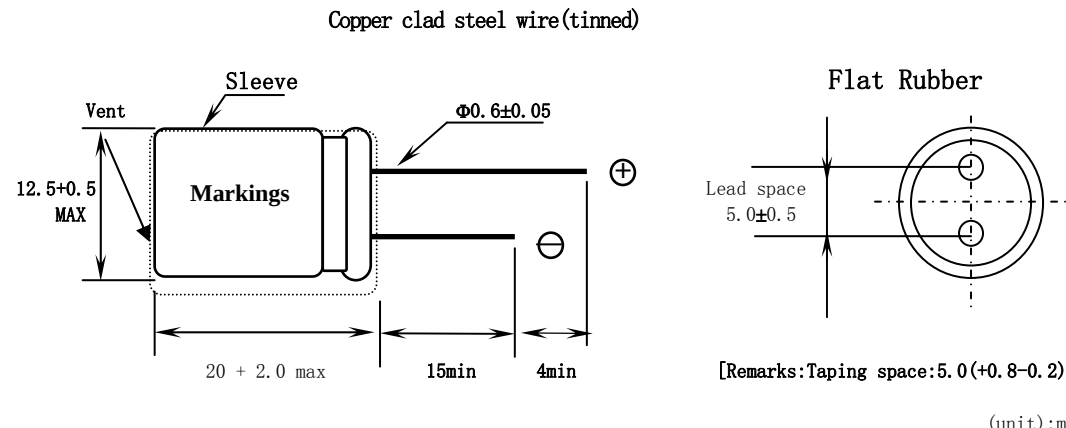
Aluminum Electrolytic Capacitor Specification				
Series	KLH	25 V 470 μF	Part No.	KLH-025V471MG160-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.14 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 117.5μA （ 20℃ 25 V 2 min ）	
	Impedance (MAX)		0.065 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		1040mA _{rms} （ 100KHz , 105℃ ）	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Side view labels: Vent, Sleeve, Markings, Φ0.6±0.05, 10±0.5 MAX, 16 + 1.5 max, 15min, 4min, ⊕, ⊖. End view label: Flat Rubber. Lead space: 5.0±0.5. [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

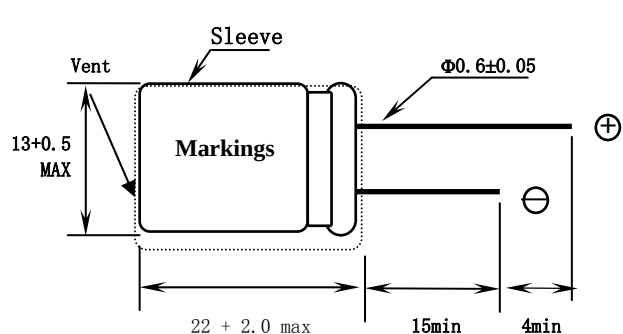
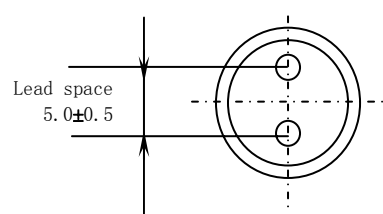
Series	KLH	35 V 100 μF	Part No.	KLH-035V101ME110-T2.5
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.12 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 35μA （ 20℃ 35 V 2 min ）	
	Impedance (MAX)		0.25 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		340 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:2.5(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	35 V 100 μ F	Part No.	KLH-035V101MF115-T/A5.0
Customer No.	/		Case size	Φ D 8 X L 11.5
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.12 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 35 μ A (20 $^{\circ}$ C 35 V 2 min)	
	Impedance (MAX)		0.19 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		380mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Side View Dimensions: Vent: 8+0.5 MAX Sleeve: 11.5 + 1.5 max Markings: 15min Lead diameter: Φ0.5$\pm$0.05 Lead length: 4min End View Dimensions: Lead space: 3.5$\pm$0.5 [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

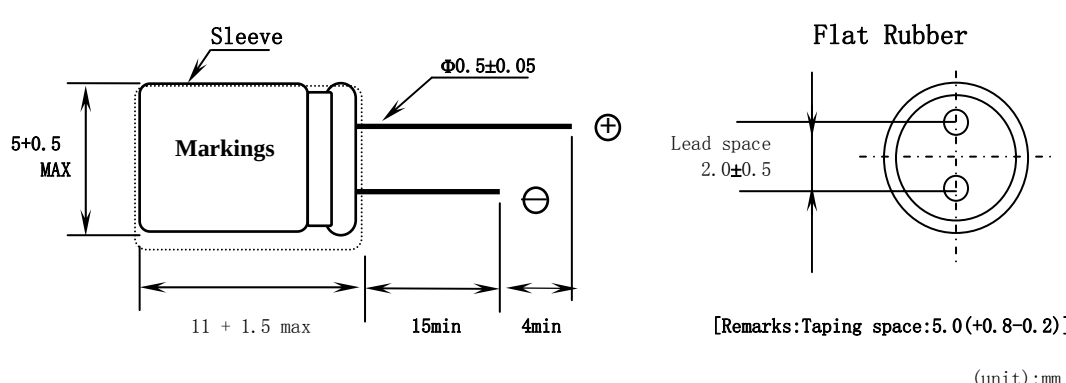
Aluminum Electrolytic Capacitor Specification

Series	KLH	35 V 1000 μF	Part No.	KLH-035V102MH200-T/A5.0
Customer No.	/		Case size	ΦD 12.5 X L 20
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.12 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 350μA （ 20℃ 35 V 2 min ）	
	Impedance (MAX)		0.04 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		1710 mArms （ 100KHz , 105℃ ）	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	35 V 1000 μ F	Part No.	KLH-035V102MI220-T/A5.0
Customer No.	/		Case size	Φ D 13 X L 22
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.32 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 350 μ A (20 $^{\circ}$ C 35 V 2 min)	
	Impedance (MAX)		0.035 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		1825 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

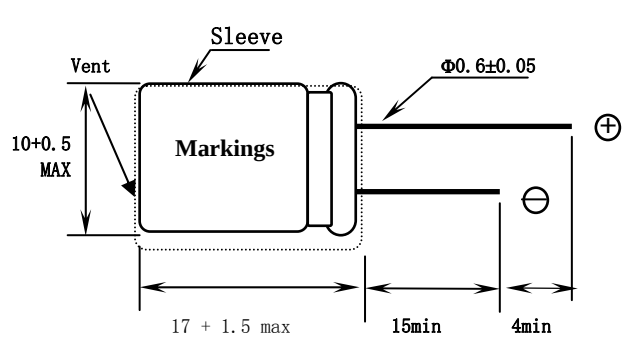
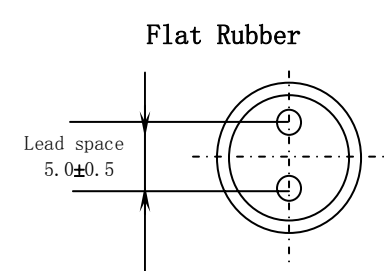
Series	KLH	35 V 22 μ F	Part No.	KLH-035V220MC110-T/A5.0
Customer No.	/		Case size	Φ D 5 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.12 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 7.7 μ A (20 $^{\circ}$ C 35 V 2 min)	
	Impedance (MAX)		1.5 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		130mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Side view dimensions: Sleeve height 5+0.5 MAX, Markings area, Lead length 11 + 1.5 max, Wire diameter Φ0.5$\pm$0.05, Lead length 15min, Terminal length 4min. End view shows Flat Rubber with Lead space 2.0$\pm$0.5. [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	35 V 2200 μ F	Part No.	KLH-035V222MJ250
Customer No.	/		Case size	Φ D 16 X L 25
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.14 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 770 μ A (20 $^{\circ}$ C 35 V 2 min)	
	Impedance (MAX)		0.03 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		2380 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	The drawing shows a cylindrical capacitor. The side view on the left includes labels for 'Vent' at the top, 'Sleeve' on the side, 'Markings' on the body, and 'Copper clad steel wire(tinned)' for the leads. Dimensions include a height of 16+0.5 MAX, a body length of 25 + 2.0 max, a lead length of 15min, and a terminal diameter of Φ0.8$\pm$0.05. Polarity is indicated with a '+' sign on the top lead and a '-' sign on the bottom lead. The end view on the right shows a circular cross-section with a 'Flat Rubber' seal and a 'Lead space' of 7.5$\pm$0.5.			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

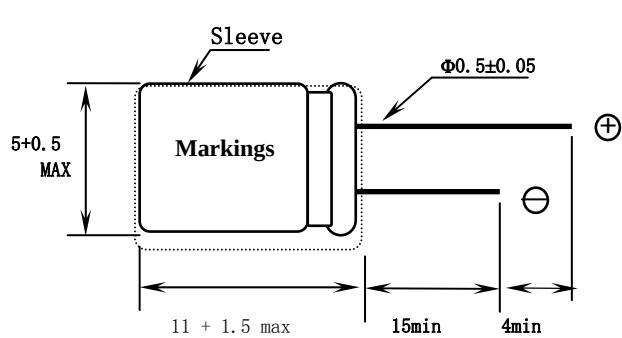
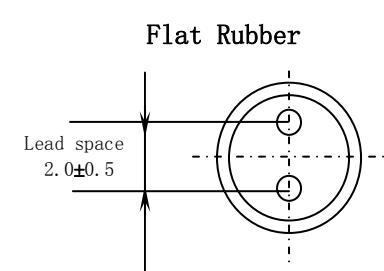
Aluminum Electrolytic Capacitor Specification				
Series	KLH	35 V 470 μ F	Part No.	KLH-035V471MG125-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 12.5
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.12 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 164.5 μ A (20 $^{\circ}$ C 35 V 2 min)	
	Impedance (MAX)		0.08 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		700 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Flat Rubber [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	35 V 470 μ F	Part No.	KLH-035V471MG160-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.12 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 164.5 μ A (20 $^{\circ}$ C 35 V 2 min)	
	Impedance (MAX)		0.07 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		780 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Flat Rubber [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

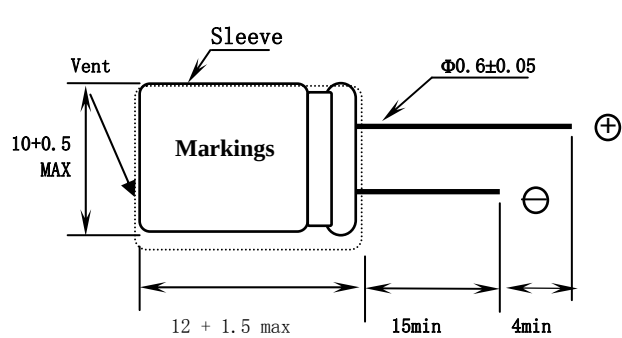
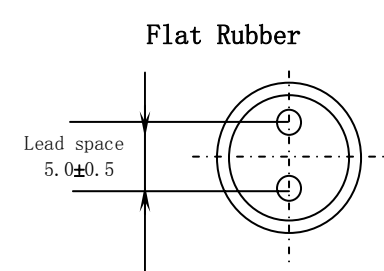
Aluminum Electrolytic Capacitor Specification

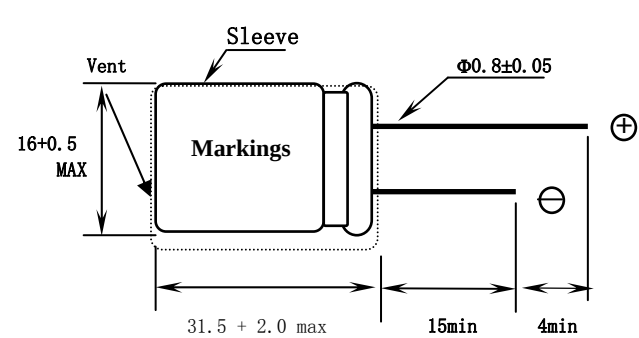
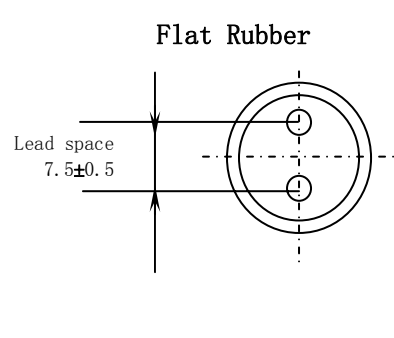
Series	KLH	35 V 470 μF	Part No.	KLH-035V471MG170-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 17
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.12 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 164.5μA （ 20℃ 35 V 2 min ）	
	Impedance (MAX)		0.07 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		780 mArms （ 100KHz , 105℃ ）	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

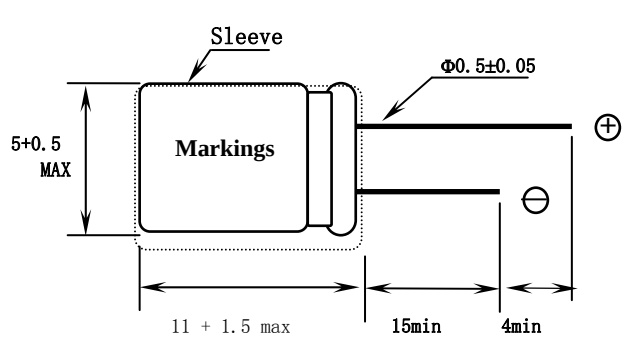
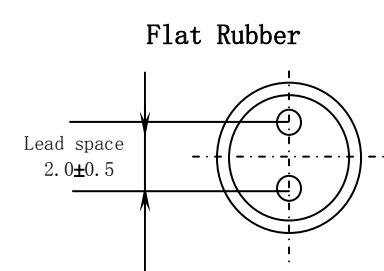
Series	KLH	50 V 10 μF	Part No.	KLH-050V100MC110-T/A5.0
Customer No.	/		Case size	ΦD 5 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.10 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 5μA （ 20℃ 50 V 2 min ）	
	Impedance (MAX)		1.8 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		100mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

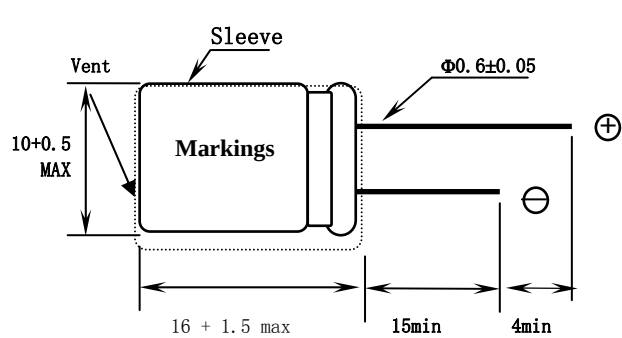
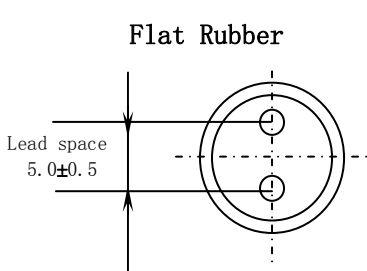
Aluminum Electrolytic Capacitor Specification

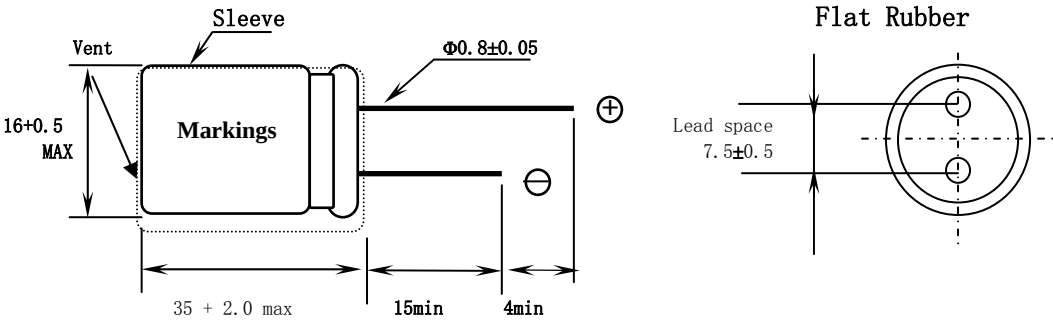
Series	KLH	50 V 100 μF	Part No.	KLH-050V101MG120-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 12
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.10 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 50μA （ 20℃ 50 V 2 min ）	
	Impedance (MAX)		0.13 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		550 mArms （ 100KHz , 105℃ ）	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	50 V 1000 μ F	Part No.	KLH-050V102MJ315
Customer No.	/		Case size	Φ D 16 X L 31.5
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.10 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 500 μ A (20 $^{\circ}$ C 50 V 2 min)	
	Impedance (MAX)		0.036 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		2130mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

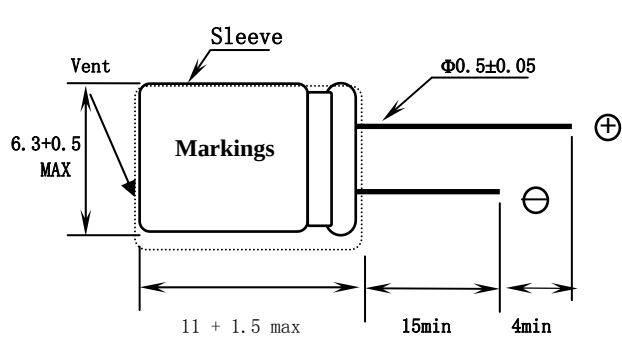
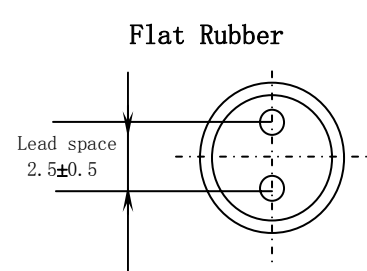
Series	KLH	50 V 22 μ F	Part No.	KLH-050V220MC110-T/A5.0
Customer No.	/		Case size	Φ D 5 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.10 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 11 μ A (20 $^{\circ}$ C 50 V 2 min)	
	Impedance (MAX)		1.0 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		135mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

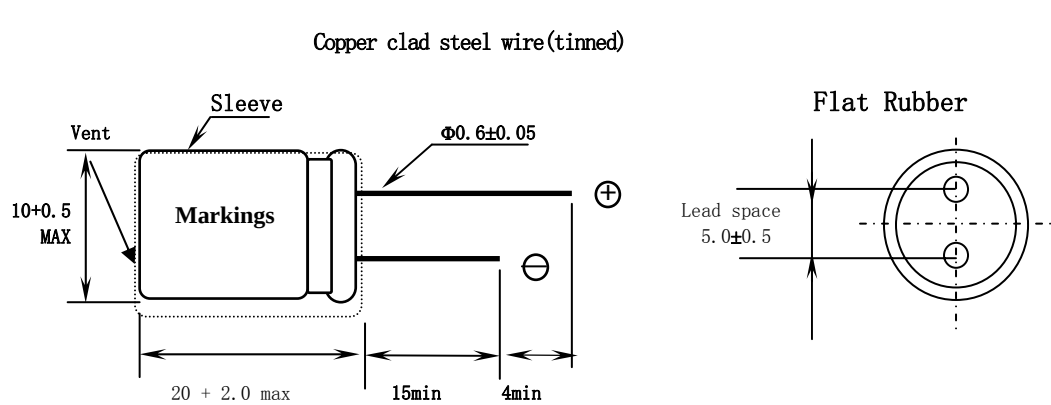
Aluminum Electrolytic Capacitor Specification				
Series	KLH	50 V 220 μF	Part No.	KLH-050V221MG160-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.10 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 110μA （ 20℃ 50 V 2 min ）	
	Impedance (MAX)		0.10 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		835mArms （ 100KHz , 105℃ ）	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	50 V 2200 μ F	Part No.	KLH-050V222MJ350
Customer No.	/		Case size	Φ D 16 X L 35
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.12 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 1100 μ A (20 $^{\circ}$ C 50 V 2 min)	
	Impedance (MAX)		0.030 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		2685 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  The side view shows a cylindrical capacitor with a sleeve. Dimensions include a height of 16+0.5 MAX, a sleeve diameter of Φ0.8$\pm$0.05, and lead lengths of 15min and 4min. The end view shows a circular cross-section with a lead space of 7.5$\pm$0.5. Markings are indicated on the side, and polarity is shown with $\oplus$ and $\ominus$ symbols.			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

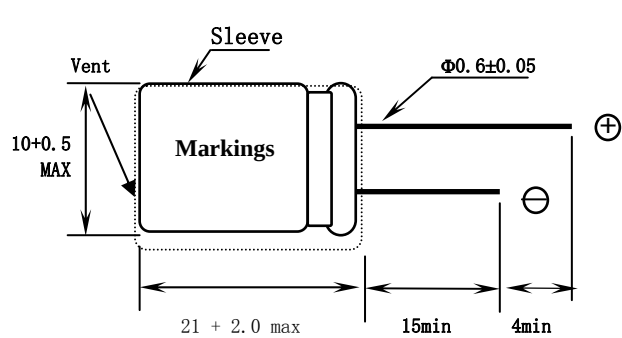
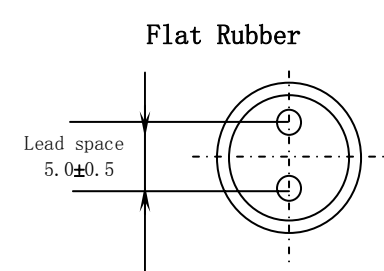
Aluminum Electrolytic Capacitor Specification				
Series	KLH	50 V 330 μF	Part No.	KLH-050V331MG200
Customer No.	/		Case size	ΦD 10 X L 20
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 °C	
	Capacitance tolerance		±20% (20°C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.10 (20°C , 120Hz)	
	Leakage current (MAX)		(Less than) 165 μA (20°C 50 V 2 min)	
	Impedance (MAX)		0.075 Ω (100KHZ, 20°C)	
	Ripple current (MAX)		960 mArms (100KHZ , 105°C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	The technical drawing shows the capacitor's dimensions. The side view includes a vent at the top left, a sleeve, and markings. Dimensions include a height of 10±0.5 MAX, a body length of 20 + 2.0 max, a terminal diameter of Φ0.6±0.05, a terminal length of 15min, and a terminal thickness of 4min. The end view shows a circular cross-section with a lead space of 5.0±0.5 and a flat rubber seal.			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

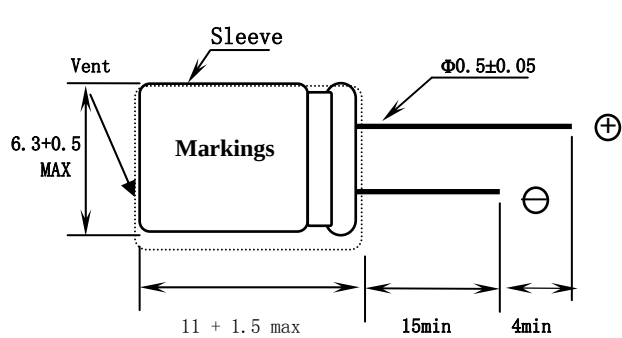
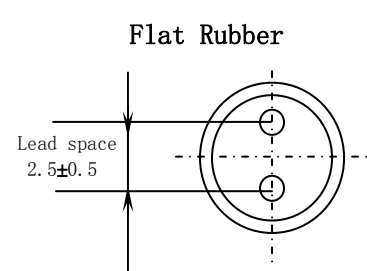
Series	KLH	50 V 47 μ F	Part No.	KLH-050V470ME110-T/A5.0
Customer No.	/		Case size	Φ D 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.10 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 23.5 μ A (20 $^{\circ}$ C 50 V 2 min)	
	Impedance (MAX)		0.5 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		285 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

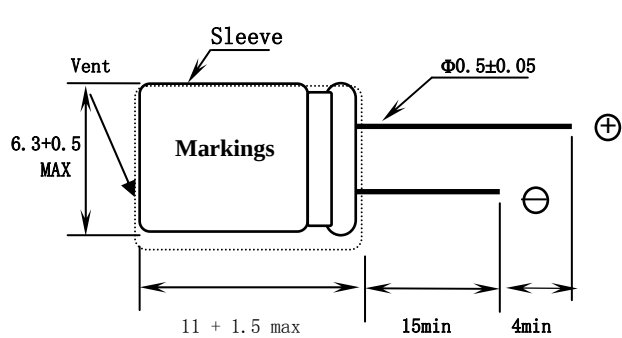
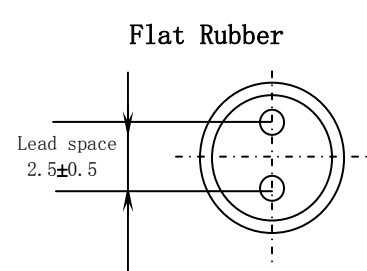
Aluminum Electrolytic Capacitor Specification				
Series	KLH	50 V 470 μF	Part No.	KLH-050V471MG200
Customer No.	/		Case size	ΦD 10 X L 20
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.10 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 235 μA （ 20℃ 50 V 2 min ）	
	Impedance (MAX)		0.07 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		1270 mArms （ 100KHz , 105℃ ）	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  The drawing includes a side view of the capacitor with labels: 'Vent' at the top left, 'Sleeve' pointing to the cylindrical body, 'Markings' on the front face, and 'Copper clad steel wire(tinned)' pointing to the leads. Dimensions include a height of 10+0.5 MAX, a body diameter of Φ0.6±0.05, a body length of 20 + 2.0 max, a lead length of 15min, and a terminal width of 4min. Polarity is indicated with a '+' sign on the top lead and a '-' sign on the bottom lead. To the right is an end view showing a circular cross-section with a 'Flat Rubber' seal and a 'Lead space 5.0±0.5' dimension.			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

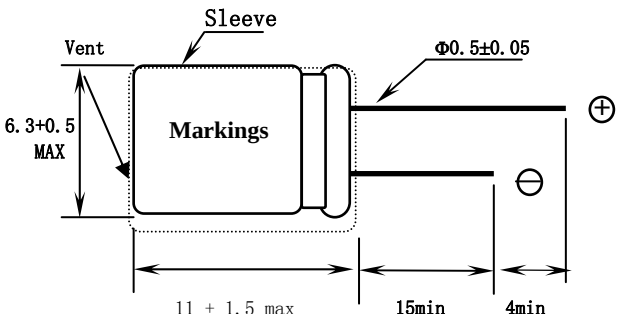
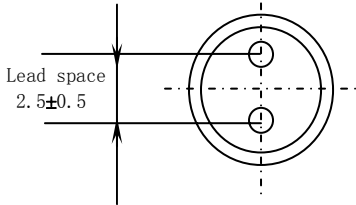
Series	KLH	50 V 470 μF	Part No.	KLH-050V471MG210-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 21
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% (20℃ , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.10 (20℃ , 120Hz)	
	Leakage current (MAX)		(Less than) 235μA (20℃ 50 V 2 min)	
	Impedance (MAX)		0.07 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		1270 mArms (100KHz , 105℃)	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

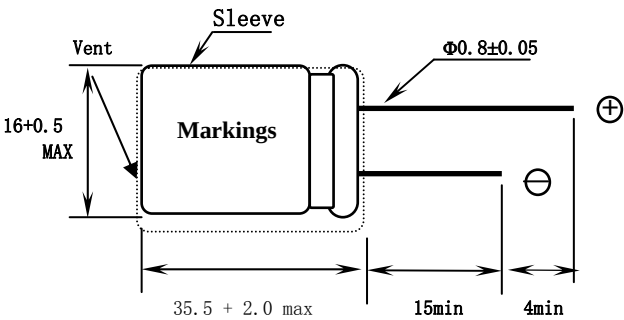
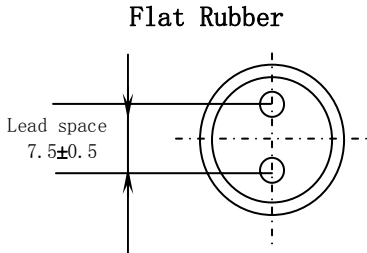
Aluminum Electrolytic Capacitor Specification

Series	KLH	63 V 1 μF	Part No.	KLH-063V010KE110-T/A2.5
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±10% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.09 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 3 μA （ 20℃ 63 V 2 min ）	
	Impedance (MAX)		3.0 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		30 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:2.5(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

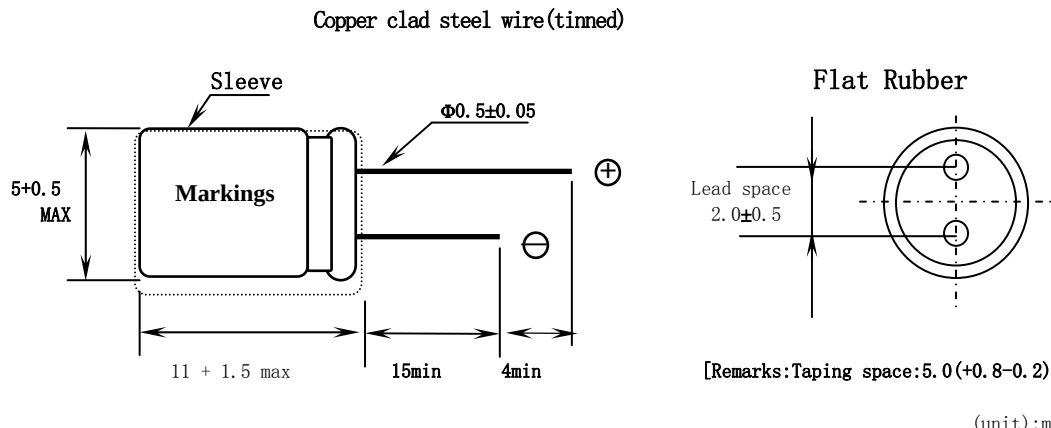
Aluminum Electrolytic Capacitor Specification				
Series	KLH	63 V 1 μF	Part No.	KLH-063V010KE110-T/A5.0
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±10% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.09 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 3 μA （ 20℃ 63 V 2 min ）	
	Impedance (MAX)		3.0 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		30 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

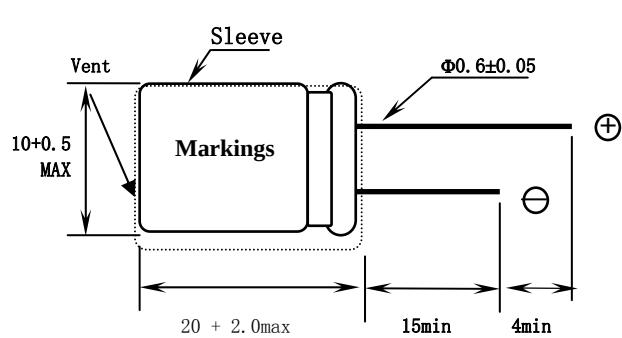
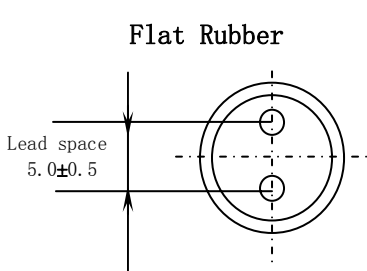
Aluminum Electrolytic Capacitor Specification

Series	KLH	63 V 10 μF	Part No.	KLH-063V100KE110-T/A5.0
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±10% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.09 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 6.3 μA （ 20℃ 63 V 2 min ）	
	Impedance (MAX)		1.5 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		115 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

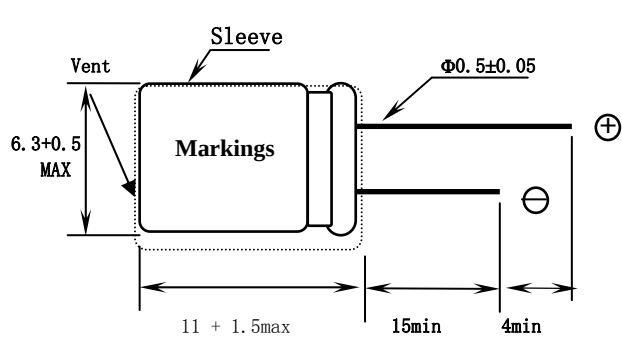
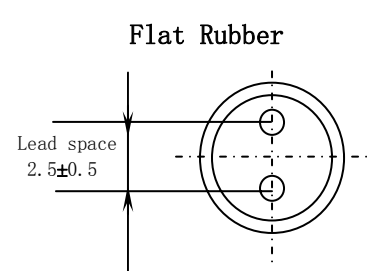
Aluminum Electrolytic Capacitor Specification				
Series	KLH	63 V 1000 μ F	Part No.	KLH-063V102MJ355
Customer No.	/		Case size	Φ D 16 X L 35.5
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.09 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 630 μ A (20 $^{\circ}$ C 63 V 2 min)	
	Impedance (MAX)		0.05 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		2450mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	63 V 22 μ F	Part No.	KLH-063V220MC110-T/A5.0
Customer No.	/		Case size	Φ D 5 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.09 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 13.86 μ A (20 $^{\circ}$ C 63 V 2 min)	
	Impedance (MAX)		1.5 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		140 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber Lead space 2.0$\pm$0.5 [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

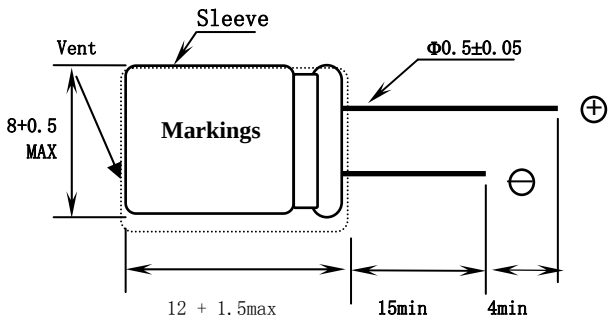
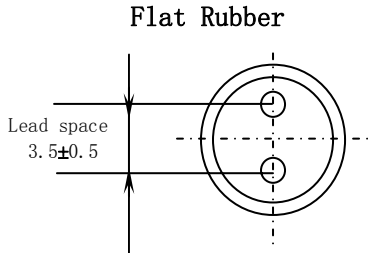
Aluminum Electrolytic Capacitor Specification				
Series	KLH	63 V 220 μ F	Part No.	KLH-063V221MG200-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 20
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.09 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 138.6 μ A (20 $^{\circ}$ C 63 V 2 min)	
	Impedance (MAX)		0.25 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		920 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	63 V 33 μ F	Part No.	KLH-063V330ME110-T/A5.0
Customer No.	/		Case size	Φ D 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.09 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 20.79 μ A (20 $^{\circ}$ C 63 V 2 min)	
	Impedance (MAX)		0.61 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		265 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

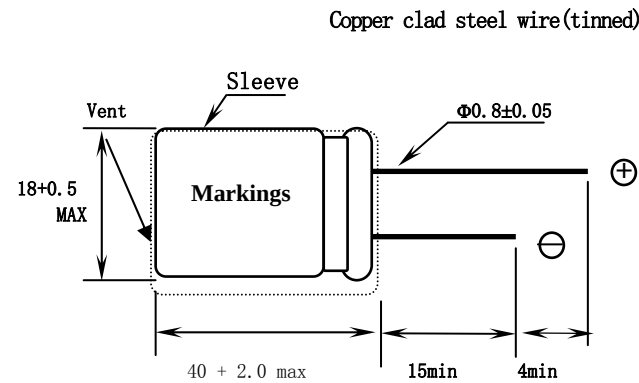
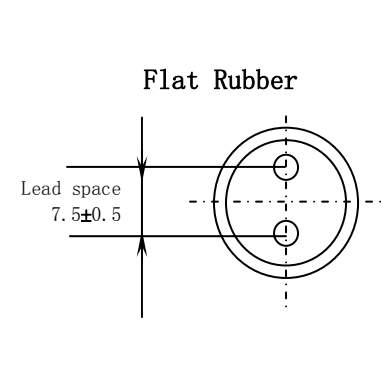
Aluminum Electrolytic Capacitor Specification				
Series	KLH	63 V 330 μF	Part No.	KLH-063V331MH200
Customer No.	/		Case size	ΦD 12.5 X L 20
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.09 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ）207.9 μA （ 20℃ 63 V 2 min ）	
	Impedance (MAX)		0.07 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		1160 mArms(100KHz , 105℃)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Vent Sleeve Markings Φ0.6±0.05 12.5±0.5 MAX 20 + 2.0 max 15min 4min ⊕ ⊖ Flat Rubber Lead space 5.0±0.5			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	63 V 47 μF	Part No.	KLH-063V470MF120-T/A5.0
Customer No.	/		Case size	ΦD 8 X L 12
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.09 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 29.61μA （ 20℃ 63 V 2 min ）	
	Impedance (MAX)		0.56 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		351mArms(100KHz , 105℃)	
	Load life		3000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	63 V 470 μ F	Part No.	KLH-063V471MH200-T/A5.0
Customer No.	/		Case size	Φ D 12.5 X L 20
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.09 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 296.1 μ A (20 $^{\circ}$ C 63 V 2 min)	
	Impedance (MAX)		0.08 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		1525 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Flat Rubber [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

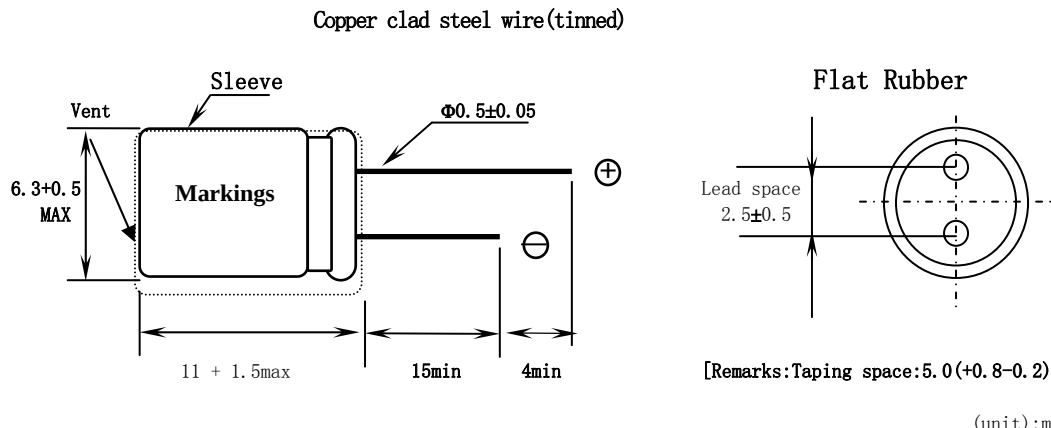
Series	KLH	100 V 1000 μ F	Part No.	KLH-100V102MK400
Customer No.	/		Case size	Φ D 18 X L 40
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.08 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than)1000 μ A (20 $^{\circ}$ C 100 V 2 min)	
	Impedance (MAX)		0.076 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		2500mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

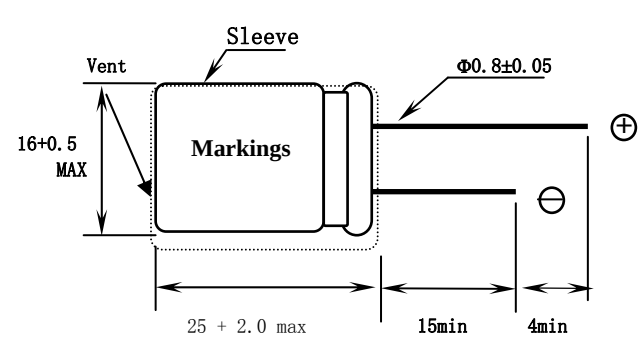
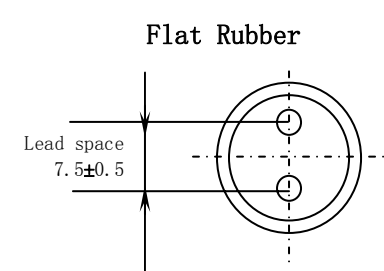
Aluminum Electrolytic Capacitor Specification				
Series	KLH	100 V 4.7 μ F	Part No.	KLH-100V4R7MC110-T/A5.0
Customer No.	/		Case size	Φ D 5 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.08 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 4.7 μ A (20 $^{\circ}$ C 100 V 2 min)	
	Impedance (MAX)		2.4 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		72mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Flat Rubber [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	200 V 33 μ F	Part No.	KLH-200V330KH200-T/A5.0
Customer No.	/		Case size	Φ D 12.5 X L 20
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm 10\%$ (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 198 μ A (20 $^{\circ}$ C 200 V 2 min)	
	Impedance (MAX)		1.05 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		440mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Flat Rubber [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

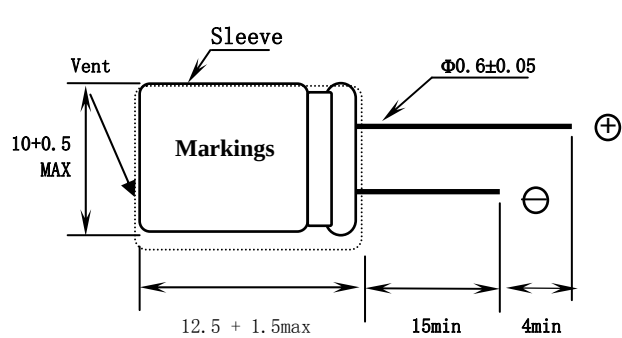
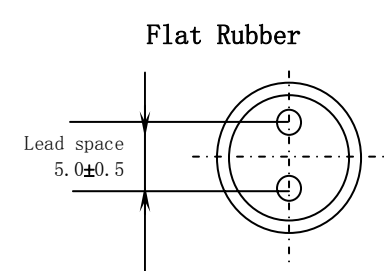
Aluminum Electrolytic Capacitor Specification				
Series	KLH	400 V 10 μ F	Part No.	KLH-400V100MG200-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 20
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 120 μ A (20 $^{\circ}$ C 400 V 2 min)	
	Impedance (MAX)		5.0 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		183mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Flat Rubber [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	400 V 2.2 μF	Part No.	KLH-400V2R2ME110-T/A5.0
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.15 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 26.4μA （ 20℃ 400 V 2 min ）	
	Impedance (MAX)		15 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		50 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

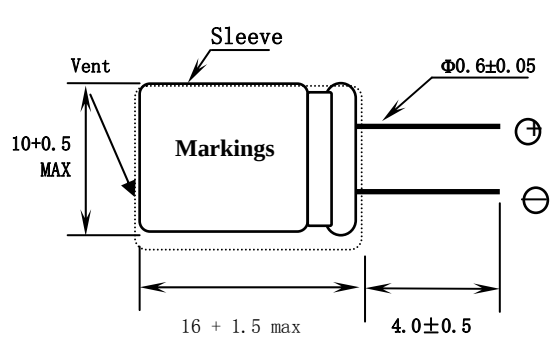
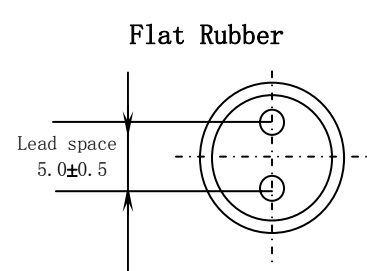
Aluminum Electrolytic Capacitor Specification				
Series	KLH	400 V 47 μ F	Part No.	KLH-400V470KJ250
Customer No.	/		Case size	Φ D 16 X L 25
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm 10\%$ (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 564 μ A (20 $^{\circ}$ C 400 V 2 min)	
	Impedance (MAX)		1.5 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		560 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	400 V 4.7 μF	Part No.	KLH-400V4R7KG125-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 12.5
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 ℃	
	Capacitance tolerance		±10% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.15 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 56.4μA （ 20℃ 400 V 2 min ）	
	Impedance (MAX)		4.98 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		130 mArms （ 100KHz , 105℃ ）	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

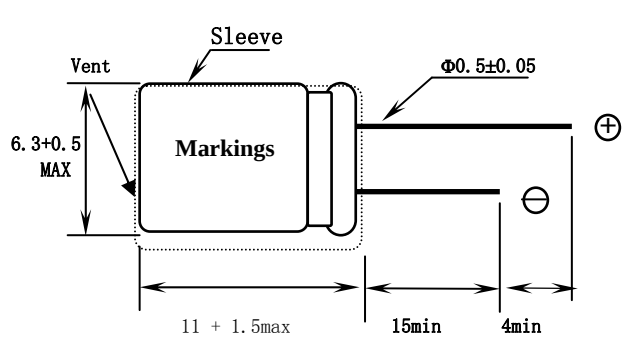
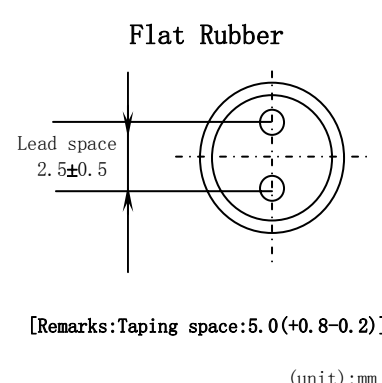
Aluminum Electrolytic Capacitor Specification				
Series	KLH	400 V 4.7 μ F	Part No.	KLH-400V4R7MG125-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 12.5
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 56.4 μ A (20 $^{\circ}$ C 400 V 2 min)	
	Impedance (MAX)		4.98 Ω (100KHz, 20 $^{\circ}$ C)	
	Ripple current (MAX)		130 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	The drawing shows a side view of the capacitor with a cylindrical body. Labels include 'Vent' at the top left, 'Sleeve' pointing to the top of the body, 'Markings' on the side, and 'Copper clad steel wire(tinned)' pointing to the leads. Dimensions are given as 10+0.5 MAX for the vent height, 12.5 + 1.5max for the body length, 15min for the lead length, and 4min for the terminal width. The lead diameter is Φ0.6$\pm$0.05. Polarity is indicated with a '+' sign on the top lead and a '-' sign on the bottom lead. The end view shows a circular body with a central hole and two smaller holes for leads, with a 'Lead space' of 5.0$\pm$0.5. A note states '[Remarks:Taping space:5.0(+0.8-0.2)]' and the unit is '(unit):mm'.			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	400 V 68 μ F	Part No.	KLH-400V680KJ300
Customer No.	/		Case size	Φ D 16 X L 30
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 10% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 816 μ A (20 $^{\circ}$ C 400 V 2 min)	
	Impedance (MAX)		0.85 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		750mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

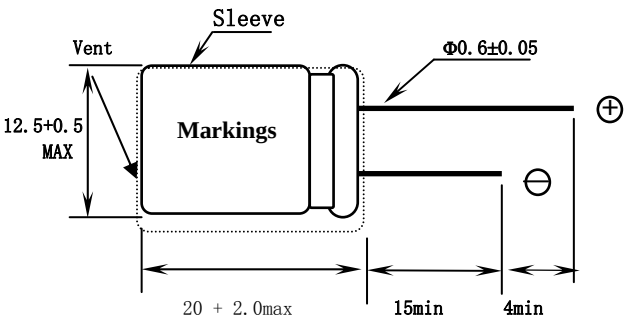
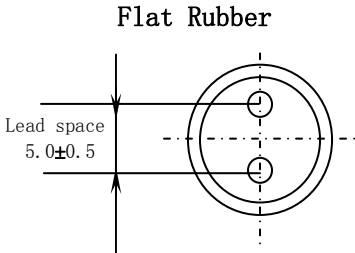
Aluminum Electrolytic Capacitor Specification				
Series	KLH	400 V 6.8 μF	Part No.	KLH-400V6R8MG160-L/C4.0
Customer No.	/		Case size	ΦD 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.15 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 81.6 μA （ 20℃ 400 V 2 min ）	
	Impedance (MAX)		7.5 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		160mArms （ 100KHz , 105℃ ）	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	400 V 6.8 μ F	Part No.	KLH-400V6R8MG160-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 81.6 μ A (20 $^{\circ}$ C 400 V 2 min)	
	Impedance (MAX)		7.5 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		160 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned) Flat Rubber [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

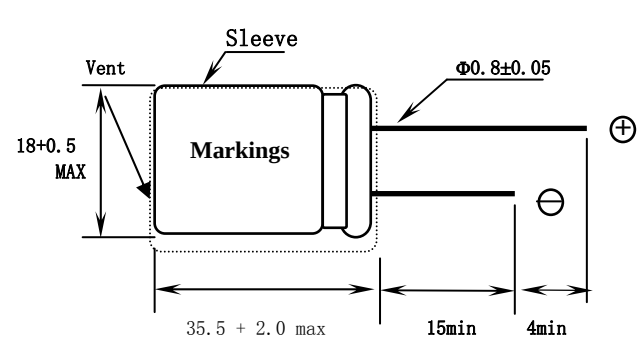
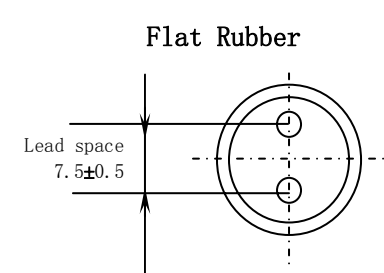
Aluminum Electrolytic Capacitor Specification

Series	KLH	450 V 1 μF	Part No.	KLH-450V010ME110-T/A5.0
Customer No.	/		Case size	ΦD 6.3 X L 11
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.15 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 13.5 μA （ 20℃ 450 V 2 min ）	
	Impedance (MAX)		18 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		38 mArms （ 100KHz , 105℃ ）	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  6.3+0.5 MAX Vent Sleeve Markings Φ0.5±0.05 11 + 1.5max 15min 4min ⊕ ⊖ Flat Rubber  Lead space 2.5±0.5 [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

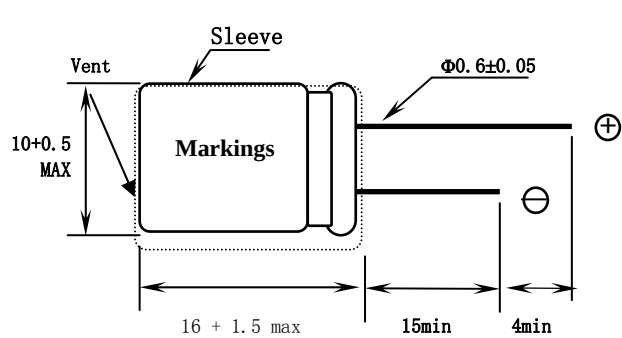
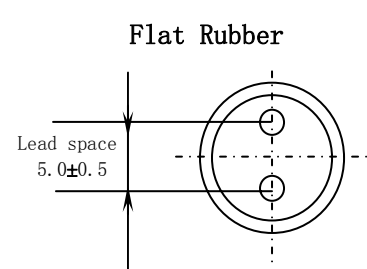
Aluminum Electrolytic Capacitor Specification

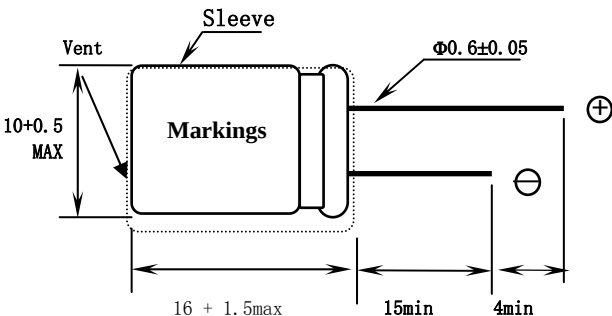
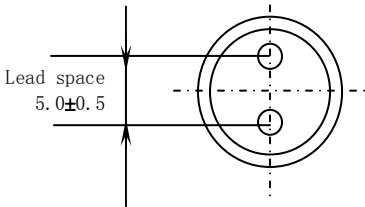
Series	KLH	450 V 10 μF	Part No.	KLH-450V100MH200-T/A5.0
Customer No.	/		Case size	ΦD 12.5 X L 20
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.15 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 135 μA （ 20℃ 450 V 2 min ）	
	Impedance (MAX)		4.58 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		277 mArms （ 100KHz , 105℃ ）	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

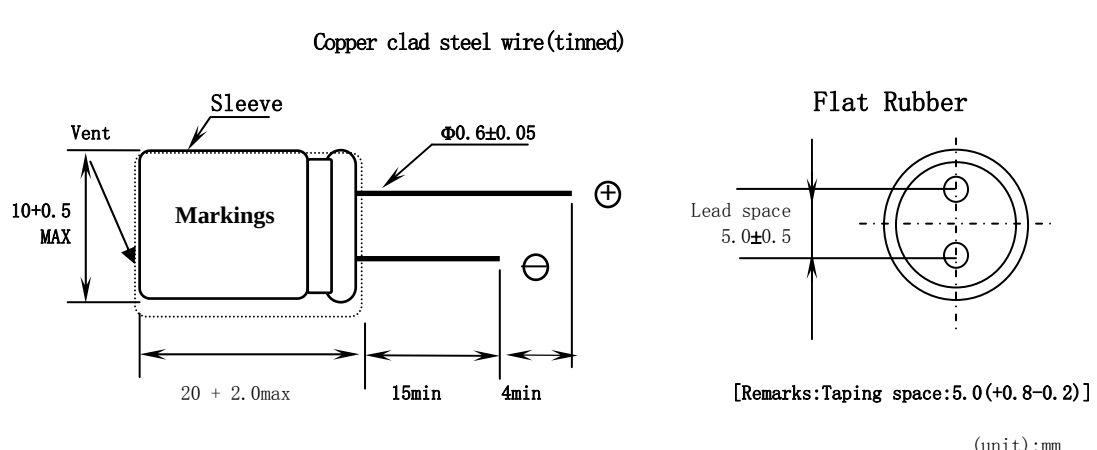
Aluminum Electrolytic Capacitor Specification

Series	KLH	450 V 100 μF	Part No.	KLH-450V101MK355
Customer No.	/		Case size	ΦD 18 X L 35.5
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.15 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 1350 μA （ 20℃ 450 V 2 min ）	
	Impedance (MAX)		mArms （ 100KHz , 105℃ ）\	
	Ripple current (MAX)		Ω (100KHz, 20℃)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-26			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

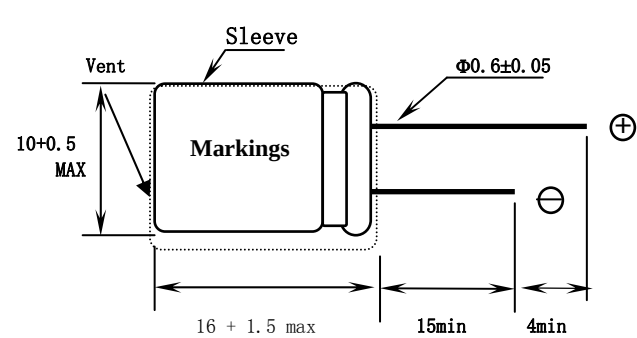
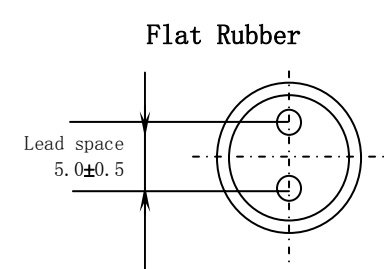
Aluminum Electrolytic Capacitor Specification

Series	KLH	450 V 4.7 μ F	Part No.	KLH-450V4R7MG160
Customer No.	/		Case size	Φ D 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 63.45 μ A (20 $^{\circ}$ C 450 V 2 min)	
	Impedance (MAX)		7.0 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		170 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

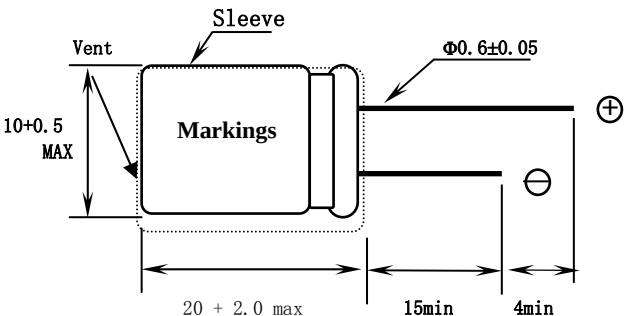
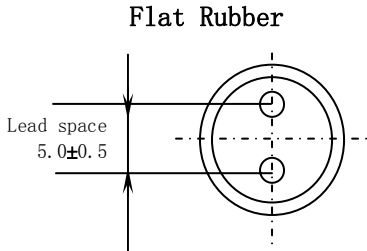
Aluminum Electrolytic Capacitor Specification				
Series	KLH	450 V 4.7 μF	Part No.	KLH-450V4R7MG160-T/A5.0
Customer No.	/		Case size	ΦD 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 ℃	
	Capacitance tolerance		±20% (20℃ , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20℃ , 120Hz)	
	Leakage current (MAX)		(Less than) 63.45 μA (20℃ 450 V 2 min)	
	Impedance (MAX)		7.0 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		170 mArms (100KHz , 105℃)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification				
Series	KLH	500 V 10 μ F	Part No.	KLH-500V100MG200-T/A5.0
Customer No.	/		Case size	Φ D 10 X L 20
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 150 μ A (20 $^{\circ}$ C 500 V 2 min)	
	Impedance (MAX)		4 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		190 mArms (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  The side view shows a cylindrical capacitor with a sleeve. Dimensions include a height of 10+0.5 MAX, a sleeve diameter of Φ0.6$\pm$0.05, a body length of 20 + 2.0max, a sleeve length of 15min, and a lead length of 4min. The end view shows a circular cross-section with a lead space of 5.0$\pm$0.5. Markings include 'Vent', 'Sleeve', 'Markings', and polarity symbols (+ and -). A note specifies 'Flat Rubber' for the end view. [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

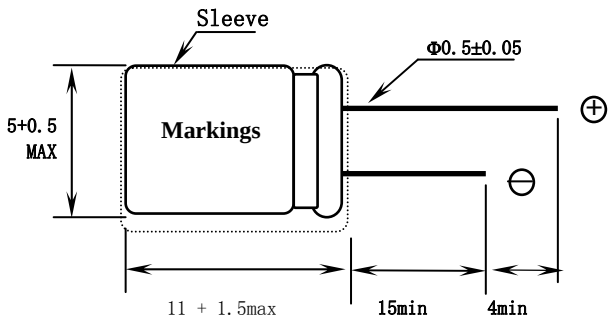
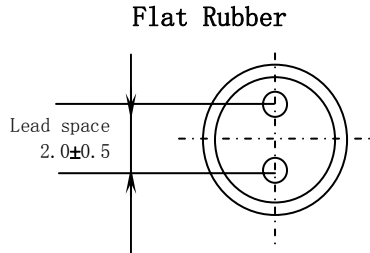
Aluminum Electrolytic Capacitor Specification

Series	KLH	500 V 4.7 μF	Part No.	KLH-500V4R7MG160
Customer No.	/		Case size	ΦD 10 X L 16
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 ℃	
	Capacitance tolerance		±20% （ 20℃ , 120Hz ）	
	Dissipation factor (MAX)		（ Less than ） 0.15 （ 20℃ , 120Hz ）	
	Leakage current (MAX)		（ Less than ） 70.5 μA （ 20℃ 500 V 2 min ）	
	Impedance (MAX)		6 Ω (100KHZ, 20℃)	
	Ripple current (MAX)		180mA _{rms} （ 100KHz , 105℃ ）	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	500 V 4.7 μ F	Part No.	KLH-500V4R7MG200
Customer No.	/		Case size	Φ D 10 X L 20
Specification	Items		Standard	
	Operating temperature range		- 25 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.15 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 70.5 μ A (20 $^{\circ}$ C 500 V 2 min)	
	Impedance (MAX)		5.5 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		190mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		5000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber 			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG

Aluminum Electrolytic Capacitor Specification

Series	KLH	50 V 3.3 μ F	Part No.	KLH-50V3R3MC110-T/A5.0
Customer No.	/		Case size	Φ D 5 X L 11
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% (20 $^{\circ}$ C , 120Hz)	
	Dissipation factor (MAX)		(Less than) 0.10 (20 $^{\circ}$ C , 120Hz)	
	Leakage current (MAX)		(Less than) 3 μ A (20 $^{\circ}$ C 50 V 2 min)	
	Impedance (MAX)		2.4 Ω (100KHZ, 20 $^{\circ}$ C)	
	Ripple current (MAX)		45mA _{rms} (100KHz , 105 $^{\circ}$ C)	
	Load life		2000 hrs	
Outline	Sleeve color		Deep Green	
	Marking color		White	
	(Dimensions)			
	Copper clad steel wire(tinned)  Flat Rubber  [Remarks:Taping space:5.0(+0.8-0.2)] (unit):mm			
Recorder	(The first edition) : 2016-10-31			
Wrote by: LUOLI		Checked by: DINGCHANGHUA		Approved by: SHENZHIHONG