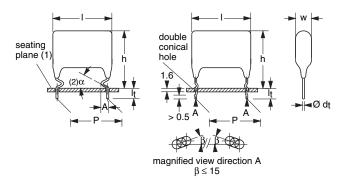
Vishay BCcomponents



Polyester Film Capacitors KT Radial Epoxy Lacquered Type



Dimensions in mm

- (1) Hole \varnothing 0.8 mm for d_t 0.6 mm Hole \varnothing 1.0 mm for $d_t = 0.8$ mm
- (2) $0 \le \alpha < 50^{\circ}$
- (3) $A = 2.0 \text{ mm} \pm 0.5 \text{ mm} \text{ (pitch} = 10.0 \text{ mm)}$ $A = 3.5 \text{ mm} \pm 1.0 \text{ mm} \text{ (pitch} = 15.0 \text{ mm)}$

APPLICATIONS

Consumer and industrial. Especially where high currents and/or steep pulses occur. DC or AC voltage

MARKING

Manufacturer emblem; C-value; tolerance; rated voltage; code for dielectric material; code for factory of origin

DIELECTRIC

Polyester film

ELECTRODES

Aluminum foil

COATING

Flame retardant epoxy material (UL-class 94 V-0)

CONSTRUCTION

Film/foil mono construction

LEADS

Tinned wire

FEATURES

- 10 mm to 15 mm lead pitch
- Supplied loose in box
- Compliant to RoHS Directive 2002/95/EC





CAPACITANCE RANGE (E12 SERIES)

 $0.001 \mu F$ to $0.47 \mu F$

CAPACITANCE TOLERANCE

± 20 %; ± 10 %

RATED (DC) VOLTAGE

100 V; 250 V; 400 V; 630 V

RATED (AC) VOLTAGE

50 V; 80 V; 125 V; 200 V

CLIMATIC CATEGORY

40/100/21

RATED TEMPERATURE

85 °C

MAXIMUM APPLICATION TEMPERATURE

100 °C

REFERENCE SPECIFICATIONS

IEC 60384-11

PERFORMANCE GRADE

Grade 1 (long life)

DETAIL SPECIFICATION

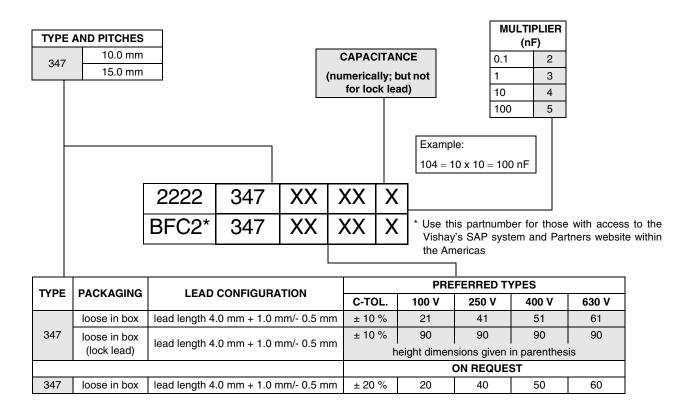
For more detailed data and test requirements contact: dc-film@vishav.com



Polyester Film Capacitors KT Radial Epoxy Lacquered Type

Vishay BCcomponents

COMPOSITION OF CATALOG NUMBER



SPECIFIC REFERENCE DATA

DESCRIPTION		VALUE			
Tangent of loss angle:	at 1	at 1 kHz) kHz	
C ≤ 0.47 μF	≤ 60	≤ 60 x 10 ⁻⁴		x 10 ⁻⁴	
Rated voltage pulse slope (dU/dt) _R	at 100 V _{DC}	at 250 V _{DC}	at 400 V _{DC}	at 630 V _{DC}	
	10 000 V/μs	10 000 V/μs	10 000 V/μs	10 000 V/μs	
R between leads, for C ≤ 0.33 μF at 100 V; 1 min	> 50 000 MΩ	> 50 000 MΩ	> 50 000 MΩ	> 50 000 MΩ	
RC between leads, for C > 0.33 μF at 100 V; 1 min	> 16 500 s	> 16 500 s			
R between interconnected leads and case (foil method)	> 30 000 MΩ				
Withstanding (DC) voltage (cut off current 10 mA); rise time 100 V/s	200 V; 1 min	500 V; 1 min	800 V; 1 min	1260 V; 1 min	
Withstanding (DC) voltage between leads and case	200 V; 1 min	500 V; 1 min	800 V; 1 min	1260 V; 1 min	

KT 347

Vishay BCcomponents

Polyester Film Capacitors KT Radial Epoxy Lacquered Type



 U_{RDC} = 100 V; U_{RAC} = 50 V; U_{p-p} = 140 V

C (µF)	DIMENSIONS w _{max.} x h _{max.} x l _{max.} (mm)		CATALOG NUMBER 2222 347 AND PACKAGING LOOSE IN BOX; I _t = 4.0 mm + 1.0 mm/- 0.5 mm				
		MACC					
		MASS - (g)	C-tol = ± 10 %		C-tol = ± 10 %		
			last 5 digits of catalog number	SPQ	last 5 digits of catalog number	SPQ	
PITCH = 10.0	mm \pm 0.4 mm; d _t = 0.60 mm \pm 0.06	mm			LOCK LEAD		
0.015			21153		90238		
0.018	5.5 x 13.0 (16.0) x 13.5	0.7	21183	1250	90239	1250	
0.022	5.5 x 15.0 (16.0) x 15.5	0.7	21223	1250	90241		
0.027			21273		90242		
0.033	6.0 x 13.5 (16.5) x 13.5	0.7	21333	2000	90236	2000	
0.039	6.5 x 14.0 (17.0) x 13.5	0.8	21393	1750	90243	1750	
0.047	7.0 x 14.5 (17.5) x 13.5	0.9	21473	1750	90244	1750	
PITCH = 15.0 mm ± 0.4 mm; d _t = 0.80 mm ± 0.08 mm					LOCK LE	AD	
0.056	5.5 x 14.0 (17.0) x 19.0	1.2	21563	1500	90245	1500	
0.068	6.0 x 14.5 (17.5) x 19.0	1.3	21683	1500	90235	1500	
0.082	7.0 x 15.5 (18.5) x 19.0	1.5	21823	1250	90212	1250	
0.100	7.5 x 16.0 (19.0) x 19.0	1.7	21104	1000	90224	1000	
0.120	8.0 x 16.5 (19.5) x 19.0	1.9	21124	1000	90246	1000	
0.150	8.5 x 17.0 (20.0) x 19.0	2.3	21154	900	90247	900	

 $U_{RDC} = 250 \text{ V}; U_{RAC} = 80 \text{ V}; U_{p-p} = 225 \text{ V}$

C (µF)	DIMENSIONS w _{max.} x h _{max.} x l _{max.} (mm)		CATALOG NUMBER 2222 347 AND PACKAGING				
			LOOSE IN BOX; I _t = 4.0 mm + 1.0 mm/- 0.5 mm				
		MASS	C-tol = ± 10 %		C-tol = ± 10 %		
		(g)	LAST 5 DIGITS OF CATALOG NUMBER	SPQ	LAST 5 DIGITS OF CATALOG NUMBER	SPQ	
PITCH = 10.0	mm ± 0.4 mm; d _t = 0.60 mm ± 0.06	mm			LOCK LEAD		
0.0082			41822	2000	90255	1250	
0.010	5.5 x 13.0 (16.0) x 13.5	0.7	41103		90256		
0.012	5.5 x 15.0 (16.0) x 15.5	0.7	41123		90257		
0.015			41153		90258		
0.018	6.0 x 13.5 (16.5) x 13.5	0.7	41183	2000	90259	2000	
0.022	6.5 x 14.0 (17.0) x 13.5	0.8	41223	2000	90225	1750	
0.027	7.0 x 14.5 (17.5) x 13.5	0.9	41273	2000	90261	1750	
PITCH = 15.0 mm \pm 0.4 mm; d _t = 0.80 mm \pm 0.08 mm					LOCK LE	AD	
0.033	5.5 x 14.0 (17.0) x 19.0	1.1	41333	2000	90213	1500	
0.039	6.0 x 14.5 (17.5) x 19.0	1.3	41393	2000	90262	1500	
0.047	7.0 x 15.5 (18.5) x 19.0	1.4	41473	2000	90214	1250	
0.056	7.5 x 16.0 (19.0) x 19.0	1.6	41563	2000	90226	1000	
0.068	8.0 x 16.5 (19.5) x 19.0	1.8	41683	2000	90234	1000	
0.082	8.5 x 17.0 (20.0) x 19.0	2.1	41823	1000	90263	900	

Document Number: 28113



Polyester Film Capacitors KT Radial Epoxy Lacquered Type

Vishay BCcomponents

 $U_{RDC} = 400 \text{ V}; \ U_{RAC} = 125 \text{ V}; \ U_{p-p} = 350 \text{ V}$

С	DIMENSIONS W _{max.} x h _{max.} x l _{max.} (mm)		CATALOG NUMBER 2222 347 AND PACKAGING				
		MASS (g)	LOOSE IN BOX; I _t = 4.0 mm + 1.0 mm/- 0.5 mm				
			C-tol = ± 10 %		C-tol = ± 10 %		
(μ F)			LAST 5 DIGITS OF		LAST 5 DIGITS OF		
			CATALOG NUMBER	SPQ	CATALOG NUMBER	SPQ	
PITCH = 10.0	l mm ± 0.4 mm; d _t = 0.60 mm ± 0.06	mm	NOMBER		LOCK LE	AD	
0.0047			51472	2000	90237	1250	
0.0056	F F v 12 0 (10 0) v 12 F	0.7	51562		90267		
0.0068	5.5 x 13.0 (16.0) x 13.5	0.7	51682		90268		
0.0082			51822		90269		
0.010	6.0 x 13.5 (16.5) x 13.5	0.7	51103	2000	90218	2000	
0.012	6.5 x 14.0 (17.0) x 13.5	0.8	51123	2000	90221	1750	
0.015	7.0 x 14.5 (17.5) x 13.5	0.9	51153	2000	90219	1750	
PITCH = 15.0 mm \pm 0.4 mm; d _t = 0.80 mm \pm 0.08 mm					LOCK LE	AD	
0.018	5.5 x 14.0 (17.0) x 19.0	1.1	51183	2000	90222	1500	
0.022	6.0 x 14.5 (17.5) x 19.0	1.2	51223	2000	90223	1500	
0.027	7.0 x 15.5 (18.5) x 19.0	1.4	51273	2000	90232	1250	
0.033	7.5 x 16.0 (19.0) x 19.0	1.6	51333	2000	90227	1000	
0.039	8.0 x 16.5 (19.5) x 19.0	1.8	51393	2000	90228	1000	
0.047	8.5 x 17.0 (20.0) x 19.0	2.1	51473	1000	90229	900	

 U_{RDC} = 630 V; U_{RAC} = 200 V; U_{p-p} = 560 V

			CATALOG NUMBER 2222 347 AND PACKAGING				
C (μF) DIMENSIONS w _{max.} x h _{max.} x I _{max.} (mm)		LOOSE IN BOX; I _t = 4.0 mm + 1.0 mm/- 0.5 mm					
		MASS	C-tol = ± 10 %		C-tol = ± 10 %		
		(g)	LAST 5 DIGITS OF CATALOG NUMBER	SPQ	LAST 5 DIGITS OF CATALOG NUMBER	SPQ	
PITCH = 10.0	mm \pm 0.4 mm; d _t = 0.60 mm \pm 0.06	mm			LOCK LEAD		
0.0010			61102	2000	90276	1250	
0.0012			61122		90277		
0.0015			61152		90278		
0.0018	5.5 x 13.0 (16.0) x 13.5	0.7	61182		90279		
0.0022	5.5 x 13.0 (16.0) x 13.5	0.7	61222		90281		
0.0027			61272		90282		
0.0033			61332		90283		
0.0039			61392		90284		
0.0047	6.0 x 13.5 (16.5) x 13.5	0.7	61472	2000	90285	2000	
0.0056	6.5 x 14.0 (17.0) x 13.5	0.8	61562	2000	90286	1750	
0.0068	7.0 x 14.5 (17.5) x 13.5	0.9	61682	2000	90287	1750	
PITCH = 15.0 mm ± 0.4 mm; d _t = 0.80 mm ± 0.08 mm				LOCK LE	AD		
0.0082	5.5 x 14.0 (17.0) x 19.0	1.1	61822	2000	90288	1500	
0.010	6.0 x 14.5 (17.5) x 19.0	1.2	61103	2000	90289	1500	
0.012	7.0 x 15.5 (18.5) x 19.0	1.3	61123	2000	90291	1250	
0.015	7.5 x 16.0 (19.0) x 19.0	1.5	61153	2000	90292	1000	
0.018	8.0 x 16.5 (19.5) x 19.0	1.7	61183	2000	90293	1000	
0.022	8.5 x 17.0 (20.0) x 19.0	2.0	61223	1000	90294	900	

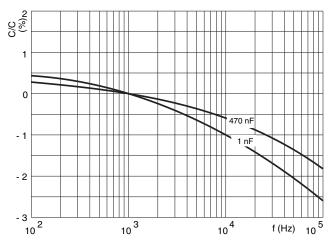
KT 347

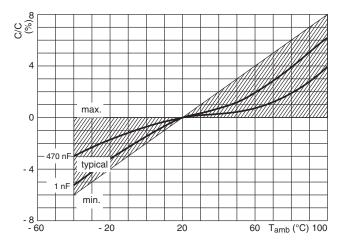
Vishay BCcomponents

Polyester Film Capacitors KT Radial Epoxy Lacquered Type



CAPACITANCE







Legal Disclaimer Notice

Vishay

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

Revision: 02-Oct-12 Document Number: 91000