



Form No.: QF-1274
Edition: 2

ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

Customer : MEGASAN

Customer P/N:

Drawing No :

Quantity : 0 Pcs. Date : 2019/02/11

Chilisin P/N : BPSF00070745101M00

SPECIFICATION ACCEPTED BY:

COMPONENT
ENGINEER

ELECTRICAL
ENGINEER

MECHANICAL
ENGINEER

APPROVED

REJECTED

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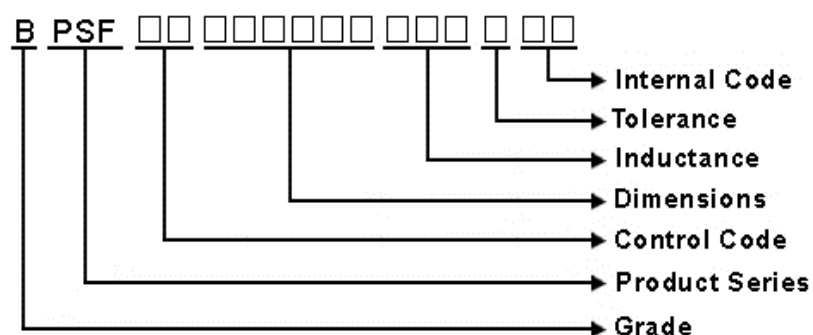
Approved by
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YG19200038

BPSF00070745 Series Specification

1 Scope: This specification applies to SMD Shielded Power Choke

2 Part Numbering:

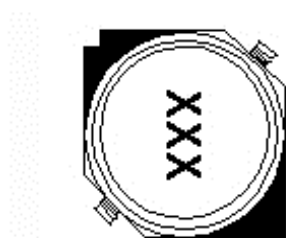


3 Rating:

Operating Temperature: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)

Storage Temperature: $20^{\circ}\text{C} \sim 25^{\circ}\text{C}$ R.H. 65% (In Tape & Reel Condition)

4 Marking:



Ex Marking : 100

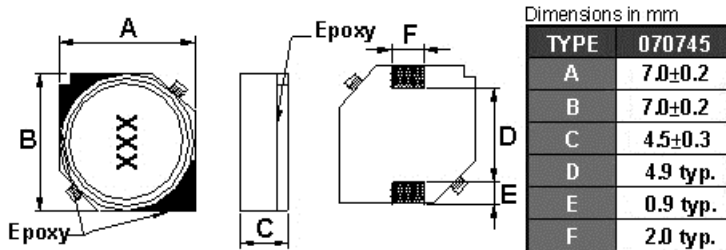
Marking color : Black

5 Standard Testing Condition

	Unless otherwise specified	In case of doubt
Temperature	Ordinary Temperature(15 to 35°C)	20 to 30°C
Humidity	Ordinary Humidity(25 to 85% RH)	50 to 80 %RH

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6 Configuration and Dimensions:



7 Electrical Characteristics:

Part No.	Inductance (μ H)	Test Freq.	RDC (Ω)	Isat (A)	Irms (A)Max.	Tolerance ($\pm\%$)	Marking
BPSF000707453R3□00	3.3	0.5V 1kHz	0.02±20%	2.5	2.3	20	3R3
BPSF000707454R7□00	4.7	0.5V 1kHz	0.03±20%	2	2.1	20	4R7
BPSF000707456R8□00	6.8	0.5V 1kHz	0.039±20%	1.7	1.74	20	6R8
BPSF00070745100□00	10	0.5V 1kHz	0.036±20%	1.3	1.78	20	100
BPSF00070745150□00	15	0.5V 1kHz	0.052±20%	1.1	1.53	20	150
BPSF00070745220□00	22	0.5V 1kHz	0.061±20%	0.9	1.34	20	220
BPSF00070745330□00	33	0.5V 1kHz	0.096±20%	0.82	1.09	20	330
BPSF00070745470□00	47	0.5V 1kHz	0.125±20%	0.75	0.92	20	470
BPSF00070745680□00	68	0.5V 1kHz	0.175±20%	0.6	0.77	20	680
BPSF00070745101□00	100	0.5V 1kHz	0.25±20%	0.5	0.65	20	101
BPSF00070745151□00	150	0.5V 1kHz	0.34±20%	0.4	0.55	20	151
BPSF00070745221□00	220	0.5V 1kHz	0.52±20%	0.33	0.45	20	221
BPSF00070745331□00	330	0.5V 1kHz	0.74±20%	0.25	0.37	20	331
BPSF00070745471□00	470	0.5V 1kHz	1.05±20%	0.22	0.31	20	471
BPSF00070745681□00	680	0.5V 1kHz	1.48±20%	0.2	0.27	20	681
BPSF00070745102□00	1000	0.5V 1kHz	2.28±20%	0.14	0.25	20	102

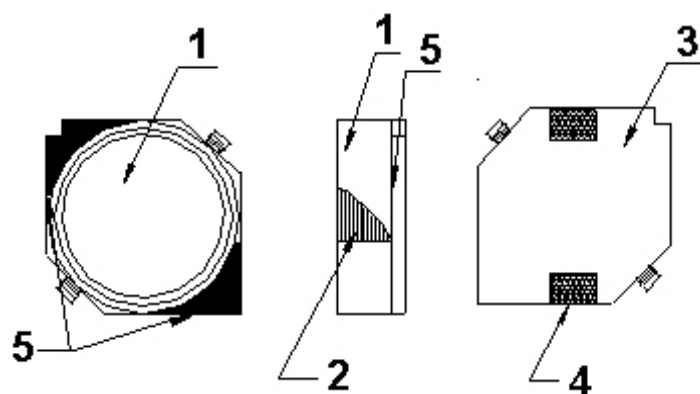
NOTE: □-tolerance M=±20%

- Operating temperature range — 40 °C ~ 125 °C (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current.
- Irms for a 20°C temperature rise from 25°C ambient.

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8.1 Construction:



8.2 Material List:

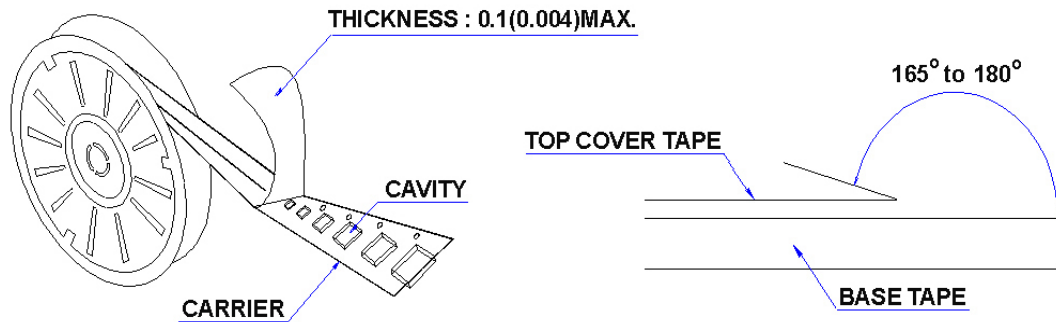
No	Part	Material
1	CORE	FERRITE
2	WIRE	MAGNET WIRE
3	BASE	LCP
4	TERMINAL	
5	EPOXY	

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9 Packaging:

9.1 Packaging -Cover Tape

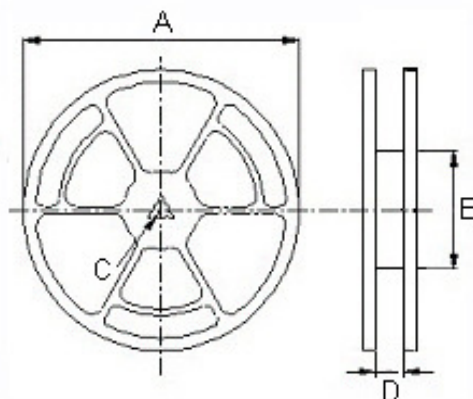
The force for tearing off cover tape is 10 to 130 grams in the arrow direction.



9.2 Packaging Quantity

TYPE	PCS/REEL
060628	1000
070728	1000
070730	1000
070732	1000
070745	1000
070755	900

9.3 Reel Dimensions



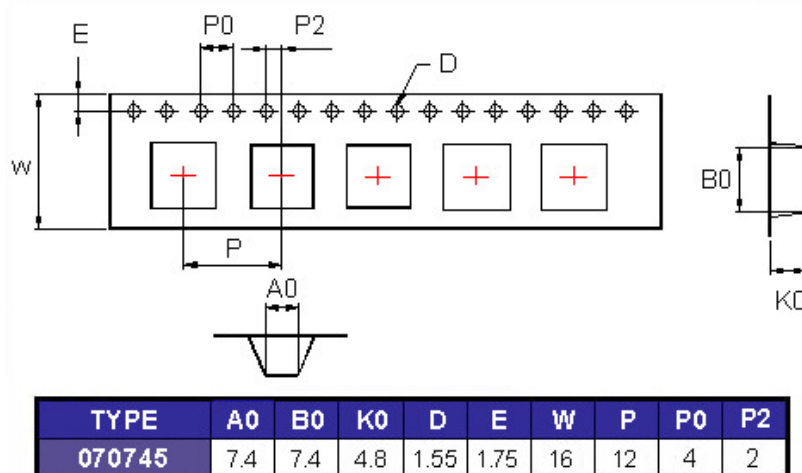
Dimensions in mm

TYPE	A	B	C	D
060628	330	100	13	16.0
070728	330	100	13	16.0
070730	330	100	13	16.0
070732	330	100	13	16.0
070745	330	100	13	16.0
070755	330	100	13	16.0

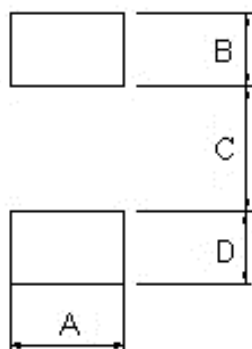
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9 Packaging:

9.4 Tape Dimensions in mm



10 Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D
060628	2.2	1.5	4.0	1.5
070728	2.2	1.5	4.9	1.5
070730	2.2	1.5	4.9	1.5
070732	2.2	1.5	4.9	1.5
070745	2.2	1.5	4.9	1.5
070755	2.2	1.5	4.9	1.5

11 Note:

1. Please make sure that your product has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)
5. The moisture sensitivity level (MSL) of products is classified as level 1.



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12 Graph: BPSF00070745101M00

