BPCA Series



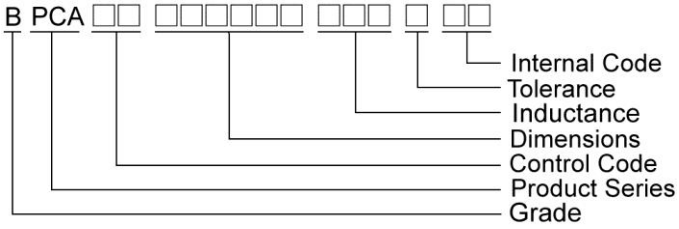
Features

- RoHS, Halogen Free and REACH Compliance
- Shielded power inductor

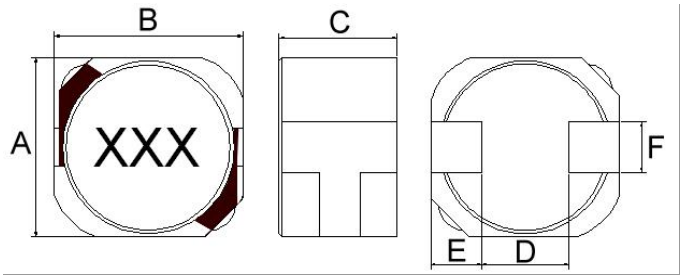
Applications

- Thin-screen TVs
- LCDs
- AV equipment
- STBs
- LED lights

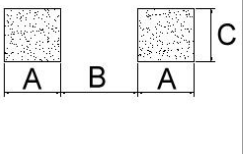
Product Identification



Shape and Dimensions



Recommended Pattern



Dimensions in mm

TYPE	Shape and Dimensions						Recommended Pattern		
	A	B	C	D	E	F	A	B	C
BPCA00060645	6.0±0.2	6.3±0.2	4.6±0.3	2.9	1.7±0.1	2.0±0.1	2.1	2.8	2.2
BPCA00070745	7.0±0.2	7.4±0.2	4.5±0.3	3.4	2.0±0.1	2.0±0.1	2.4	3.3	2.2

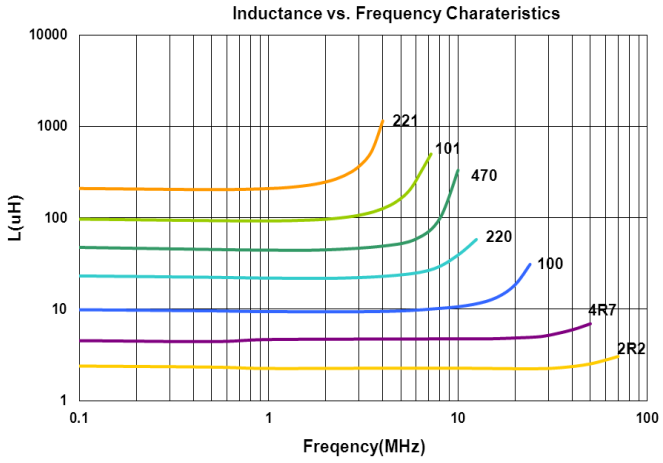
SMD Shielded Power Inductors - BPCA Series

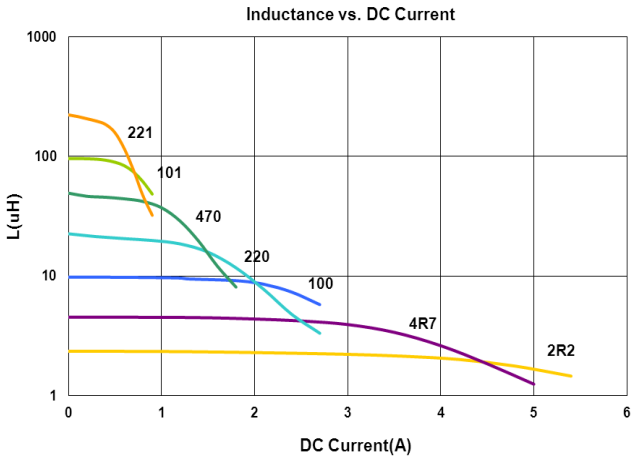
Standard Specifications

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (Ω) Max	Isat (A) Typ(Max)	Irms (A)	Marking
BPCA000606451R0□00	1.0	30	100	0.0143	6.7(6.0)	4.8	1R0
BPCA000606451R5□00	1.5	30	100	0.0169	5.5(5.2)	4.5	1R5
BPCA000606452R2□00	2.2	30	100	0.0195	4.2(3.6)	4.1	2R2
BPCA000606453R3□00	3.3	30	100	0.0247	3.5(3.2)	3.7	3R3
BPCA000606454R7□00	4.7	30	100	0.0299	3.1(2.5)	3.3	4R7
BPCA000606456R8□00	6.8	30	100	0.0351	2.8(2.0)	3.1	6R8
BPCA00060645100□00	10	20	100	0.042	2.1(1.7)	2.6	100
BPCA00060645150□00	15	20	100	0.072	1.7(1.4)	2.0	150
BPCA00060645220□00	22	20	100	0.09	1.4(1.1)	1.8	220
BPCA00060645330□00	33	20	100	0.12	1.1(0.9)	1.6	330
BPCA00060645470□00	47	20	100	0.156	0.97(0.78)	1.4	470
BPCA00060645680□00	68	20	100	0.24	0.81(0.65)	1.1	680
BPCA00060645101□00	100	20	100	0.384	0.61(0.55)	0.86	101
BPCA00060645151□00	150	20	100	0.576	0.53(0.46)	0.72	151
BPCA00060645221□00	220	20	100	0.864	0.47(0.36)	0.57	221
BPCA00060645331□00	330	20	100	1.104	0.36(0.28)	0.49	331
BPCA00060645471□00	470	20	100	1.56	0.28(0.25)	0.41	471

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T=±30%

- Operating temperature range - 40℃ ~ 105℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- The actual use current is suggested not to be out of Isat*80%
- Irms for a 40℃ temprature rise from 25℃ ambient.
- Measure Equipment：
  L：HP4284+42841A, 100kHz/ 1V
  RDC：Chroma 16502
  Isat：HP4284+42841A





Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

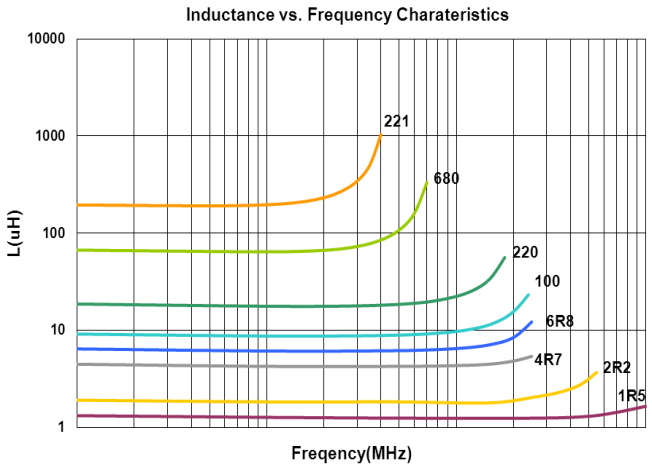
CHILISIN ELECTRONICS CORP.

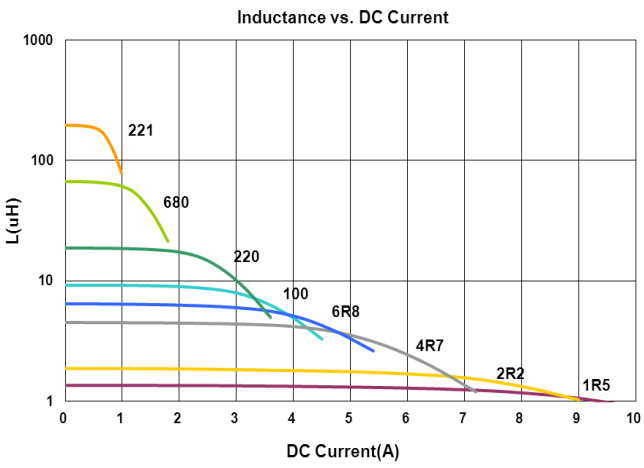
Standard Specifications

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (Ω) Max	Isat (A) Typ(Max)	Irms (A)	Marking
BPCA000707451R0□00	1.0	30	100	0.0117	9.3(7.6)	6.5	1R0
BPCA000707451R5□00	1.5	30	100	0.013	7.8(6.2)	5.4	1R5
BPCA000707452R2□00	2.2	30	100	0.0169	7.3(6.0)	5.1	2R2
BPCA000707453R3□00	3.3	30	100	0.0208	5.8(4.6)	4.8	3R3
BPCA000707454R7□00	4.7	30	100	0.0234	4.8(4.0)	4.1	4R7
BPCA000707456R8□00	6.8	30	100	0.0264	3.6(3.0)	3.9	6R8
BPCA00070745100□00	10	20	100	0.0396	3.2(2.6)	3.1	100
BPCA00070745150□00	15	20	100	0.066	2.4(2.0)	2.6	150
BPCA00070745220□00	22	20	100	0.0828	2.1(1.6)	2.2	220
BPCA00070745330□00	33	20	100	0.116	1.6(1.3)	1.8	330
BPCA00070745470□00	47	20	100	0.156	1.3(1.1)	1.7	470
BPCA00070745680□00	68	20	100	0.204	1.08(0.95)	1.5	680
BPCA00070745101□00	100	20	100	0.312	0.9(0.8)	1.05	101
BPCA00070745151□00	150	20	100	0.516	0.8(0.65)	0.95	151
BPCA00070745221□00	220	20	100	0.66	0.7(0.54)	0.75	221
BPCA00070745331□00	330	20	100	0.96	0.55(0.45)	0.58	331
BPCA00070745471□00	470	20	100	1.44	0.45(0.37)	0.46	471

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T=±30%

- Operating temperature range - 40℃~105℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- The actual use current is suggested not to be out of Isat*80%
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- Measure Equipment：
  L：HP4284+42841A, 100kHz/ 1V
  RDC：Chroma 16502
  Isat：HP4284+42841A





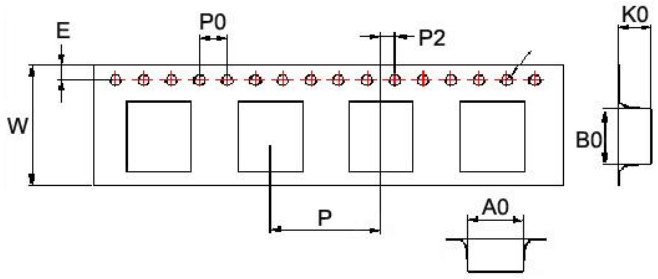
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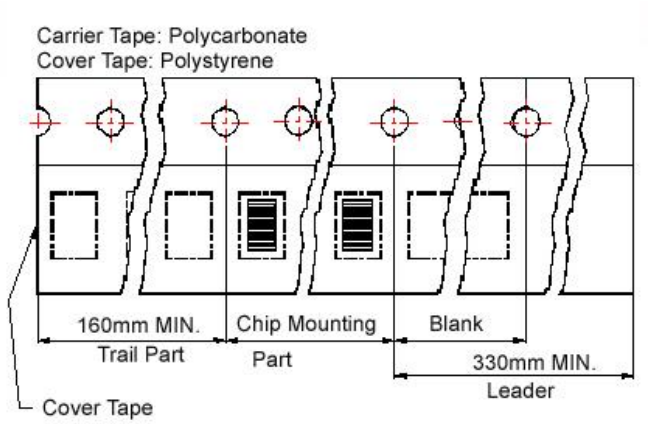
CHILISIN ELECTRONICS CORP.

Packaging Specifications

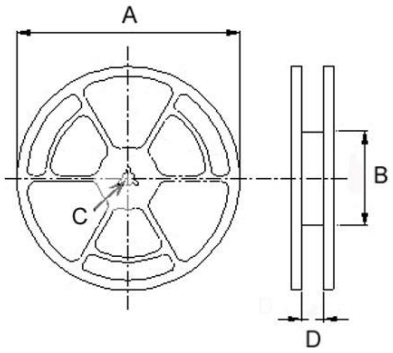
Tape Dimensions



Tape Material



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions									Reel Dimensions				Quantity
	A0	B0	K0	D	E	W	P	P0	P2	A	B	C	D	PCS / REEL
BPCA00060645	6.9	6.3	5	1.55	1.75	16	12	4	2	330	100	13	16	1000
BPCA00070745	7.7	7.35	5	1.55	1.75	16	12	4	2	330	100	13	16	1000