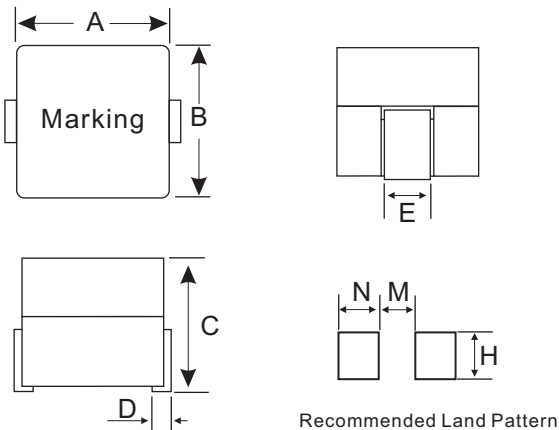
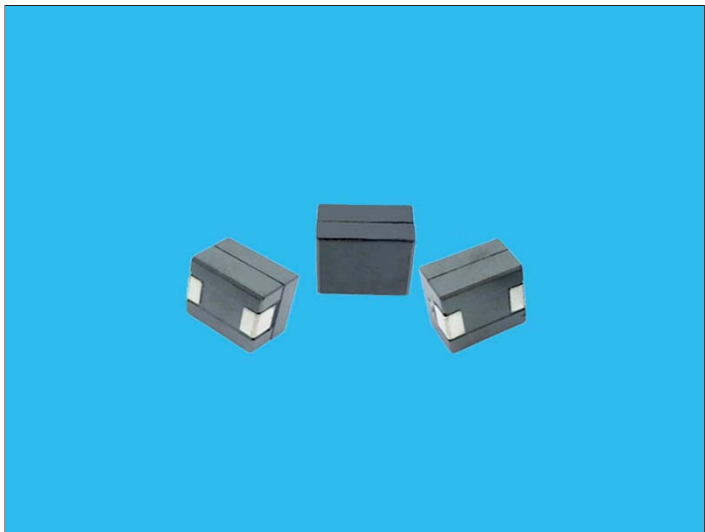


SMD High Current Power Beads



Dimensions and Footprint (Unit:mm)								
Type	A	B	C	D	E	N	M	H
CPBS06030	7.2 Max.	6.7 Max.	3.0 Max.	1.3 Type	3.0 Type	2.0 Ref.	3.8 Ref.	3.5 Ref.
CPBS06030A	7.5 Max.	6.7 Max.	3.0 Max.	1.5 Type	3.0 Type	2.0 Ref.	3.8 Ref.	3.5 Ref.
CPBS06050A	7.0 Max.	7.0 Max.	5.0 Max.	1.5 Type	2.5 Type	2.0 Ref.	3.4 Ref.	3.0 Ref.

Description

- Superior quality for an automated production line.
- Magnetically shielded.
- Flat wire windings provide exceptionally low DC resistance.
- Frequency range: up to 2MHz.
- AEC-Q200 compliance.

Part Number Code

CPBS06030-R047M

Inductance

Dimensions

Series Name

Electrical Specifications-CPBS06030					
Part Number	Inductance(nH) (±20%)	DCR (mΩ) (±10%)	Inductance(nH) @IDC(±20%)	Irms(Max) (A)	Isat(Max) (A)
CPBS06030-R047M	47	0.24	42.0	39.0	42.0
CPBS06030-R068M	68	0.24	61.2	39.0	32.0
CPBS06030-R082M	82	0.24	74.0	39.0	26.0
CPBS06030-R10M	100	0.24	90.0	39.0	22.0
CPBS06030-R12M	120	0.24	108.0	39.0	18.0

Electrical Specifications-CPBS06030A

Part Number	Inductance(nH) (±20%)	DCR (mΩ) (±10%)	Inductance(nH) @IDC(±20%)	Irms(Max) (A)	Isat(Max) (A)
CPBS06030A-R050M	50	0.123	45.0	40.0	50.0
CPBS06030A-R064M	64	0.123	57.6	40.0	32.0
CPBS06030A-R082M	82	0.123	74.0	40.0	26.0
CPBS06030A-R10M	100	0.123	90.0	40.0	22.0
CPBS06030A-R12M	120	0.123	108.0	40.0	18.0

Electrical Specifications-CPBS06050A

Part Number	Inductance(nH) (±20%)	DCR (mΩ) (±10%)	Inductance(nH) @IDC(±20%)	Irms(Max) (A)	Isat(Max) (A)
CPBS06050A-R09M	90	0.270	81.0	36.0	65.0
CPBS06050A-R10M	100	0.270	95.0	36.0	50.0
CPBS06050A-R12M	120	0.270	114.0	36.0	45.0
CPBS06050A-R15M	150	0.270	142.0	36.0	38.0
CPBS06050A-R18M	180	0.270	171.0	36.0	32.0

- The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.
- Inductance Tested at 100KHz, 0.1Vrms.
- Δ t=40°C.