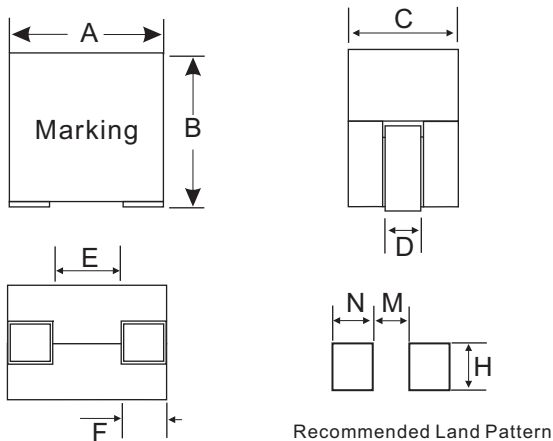
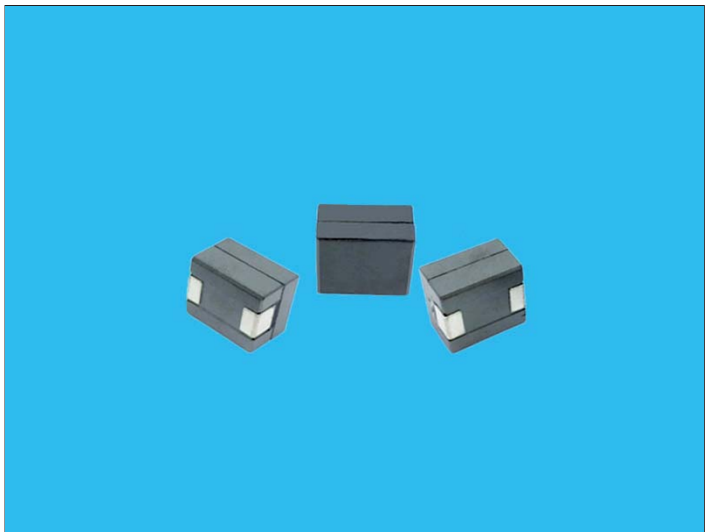


SMD High Current Power Beads



Dimensions and Footprint (Unit:mm)								
Type	A	B	C	D	F	N	M	H
CPBS12040	11.4 Max.	3.8±0.2	11.8 Max.	3.8 Typ.	1.7 Typ.	2.6 Ref.	6.8 Ref.	4.5 Ref.
CPBS12057	10.0 Max.	12.0 Max.	6.0 Max.	2.5 Type	2.5 Type	3.0±0.1	4.4 Ref.	3.0±0.1
CPBS12057A	10.0 Max.	12.0 Max.	6.0 Max.	2.4±0.2	2.4±0.2	3.3 Ref.	3.9 Ref.	3.3 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

CPBS12040-R10M

Inductance

Dimensions

Series Name

Electrical Specifications-CPBS12040					
Part Number	Inductance(nH) (±20%)	DCR (mΩ) (±10%)	IDC(A)	Irms(Max) (A)	Isat(Max) (A)
CPBS12040-R10M	100	0.17	34	34	55
CPBS12040-R16M	160	0.17	30	34	30
CPBS12040-R22M	220	0.17	22	34	22
CPBS12040-R27M	270	0.17	16.5	34	16.5
CPBS12040-R35M	350	0.17	12	34	12

Electrical Specifications-CPBS12057

Part Number	Inductance(nH) (±20%)	DCR (mΩ) (±5%)	Inductance(nH) @IDC(±20%)	Irms(Max) (A)	Isat(Max) (A)
CPBS12057-R08M	80	0.10	72	78	156
CPBS12057-R10M	100	0.10	90	78	125
CPBS12057-R12M	120	0.10	108	78	105
CPBS12057-R15M	150	0.10	135	78	83
CPBS12057-R22M	220	0.10	198	78	62
CPBS12057-R33M	330	0.10	297	78	36

- 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.

Electrical Specifications-CPBS12057A

Part Number	Inductance(nH) (±15%)	DCR (mΩ) (±10%)	Inductance(nH) @Isat(Min.)	Irms(Max) (A)	Isat(Max) (A)
CPBS12057A-R07L	70	0.125	49	78	170
CPBS12057A-R08L	80	0.125	56	78	160
CPBS12057A-R10L	100	0.125	70	78	130
CPBS12057A-R12L	120	0.125	84	78	105
CPBS12057A-R15L	150	0.125	105	78	83
CPBS12057A-R22L	220	0.125	154	78	62
CPBS12057A-R33L	330	0.125	231	78	36
CPBS12057A-R47L	47	0.125	329	78	22

- 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.