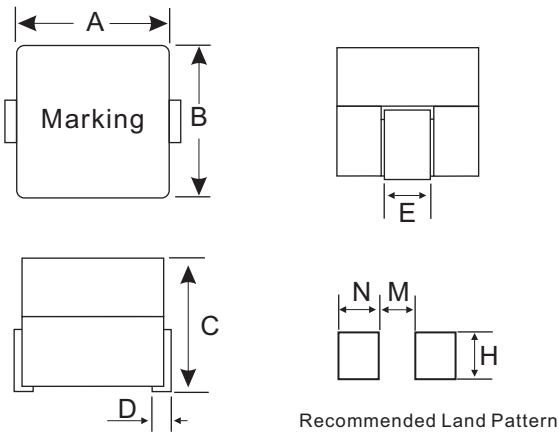
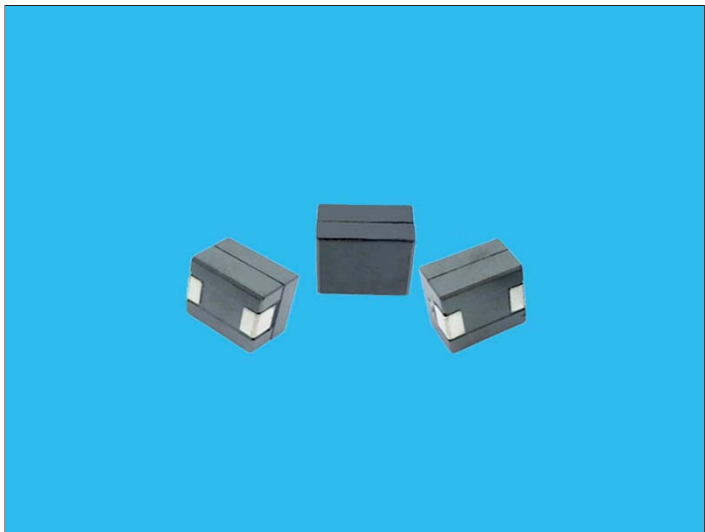


SMD High Current Power Beads



Dimensions and Footprint (Unit:mm)

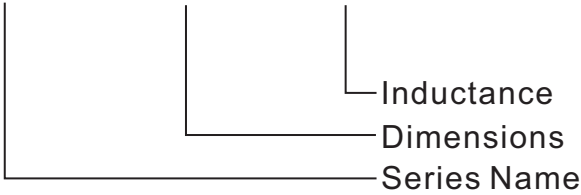
Type	A	B	C	D	E	N	M	H
CPBS07032	7.4 Max.	6.6 Max.	3.18 Max.	1.65 Type	2.8 Type	2.38 Ref.	2.54 Ref.	3.81 Ref.
CPBS07050	7.1 Max.	7.0 Max.	5.0 Max.	1.52 Type	2.5 Type	2.03 Ref.	3.3 Ref.	3.05 Ref.
CPBS07280	7.2 Max.	6.5 Max.	8.0 Max.	2.1 Type	3.0 Type	2.7 Ref.	2.3 Ref.	3.5 Ref.

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

CPBS07032-R10M



Electrical Specifications-CPBS07032

Part Number	Inductance(nH) (±20%)	DCR (mΩ) (±10%)	Inductance(nH) @IDC(±20%)	Irms(Max) (A)	Isat(Max) (A)
CPBS07032-R10M	100	0.35	95.0	20.0	25.0

- 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.

Electrical Specifications-CPBS07050

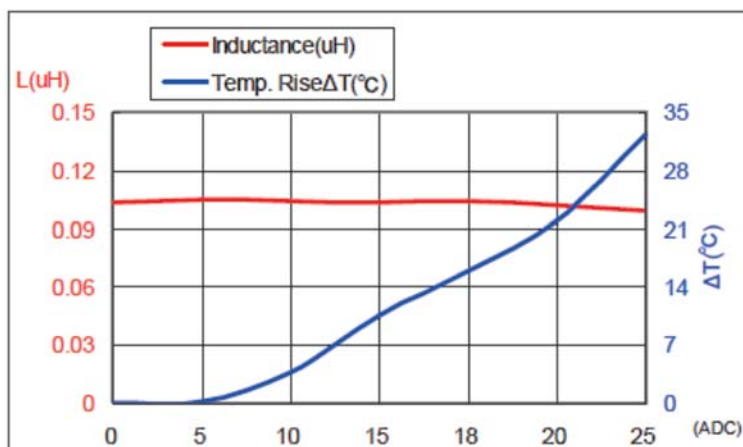
Part Number	Inductance(nH) ($\pm 20\%$)	DCR (m Ω) ($\pm 10\%$)	Inductance(nH) @Isat($\pm 20\%$)	Irms(Max) (A)	Isat(Max) (A)
CPBS07050-R07M	72	0.240	72.0	50.0	31.0
CPBS07050-R10M	105	0.240	102.0	45.0	31.0
CPBS07050-R12M	120	0.240	115.0	36.0	31.0
CPBS07050-R15M	150	0.240	130.0	32.0	31.0

Electrical Specifications-CPBS07280

Part Number	Inductance(nH) ($\pm 20\%$)	DCR (m Ω) ($\pm 10\%$)	Inductance(nH) @Isat(Type)	Irms(Max) (A)	Isat(Max) (A)
CPBS07280-R035M	35	0.20	25.0	63	130
CPBS07280-R055M	55	0.24	39.6	63	110
CPBS07280-R080M	80	0.24	57.0	63	90

- 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.
- $\Delta t = 40^\circ\text{C}$.

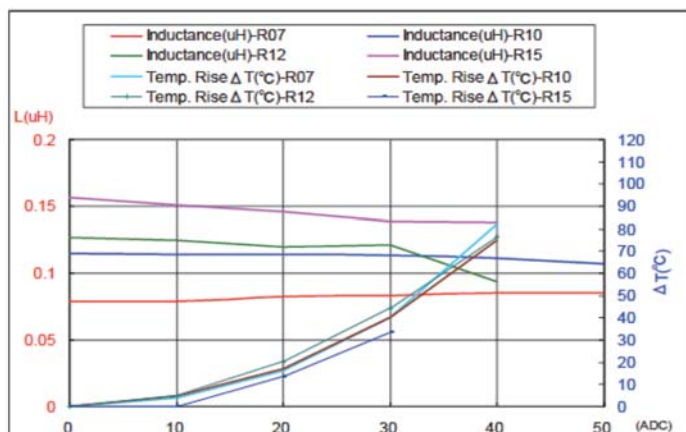
Inductance/Temperature Rise VS DC BIAS



CPBS07032

Inductance/Temperature Rise VS DC BIAS

CPBS07050



CPBS07280

