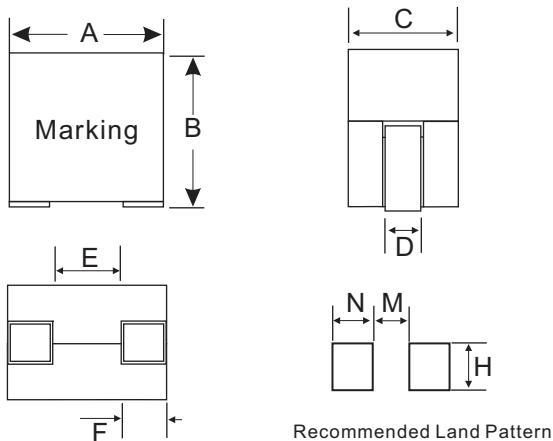
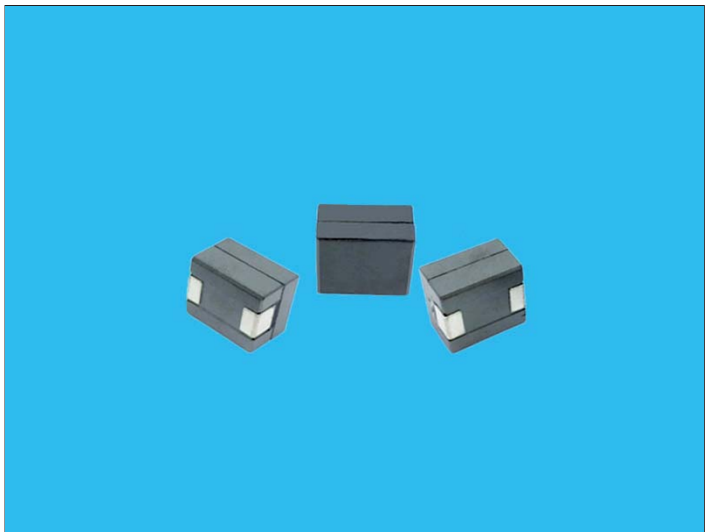


SMD High Current Power Beads



Dimensions and Footprint (Unit:mm)

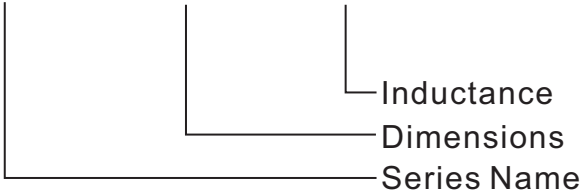
Type	A	B	C	D	E	F	N	M	H
CPBS09050(A)	9.0 Max.	9.5 Max.	5.2 Max.	2.4±0.2	4.0±0.3	2.5±0.2	3.15 Ref.	3.9 Ref.	2.9 Ref.

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

CPBS09050-R03M



Electrical Specifications-CPBS09050

Part Number	Inductance(nH) (±15%)	DCR (mΩ) (±10%)	Inductance(nH) @Isat(Min.)	Irms(Max) (A)	Isat(Max) (A)
CPBS09050-R03L	35	0.125	24.0	63.0	230.0
CPBS09050-R05L	55	0.125	38.0	63.0	155.0
CPBS09050-R07L	70	0.125	50.0	63.0	110.0
CPBS09050-R08L	80	0.125	56.0	63.0	97.0
CPBS09050-R09L	90	0.125	63.0	63.0	90.0
CPBS09050-R10L	100	0.125	70.0	63.0	80.0
CPBS09050-R12L	120	0.125	84.0	63.0	72.0
CPBS09050-R15L	150	0.125	105.0	63.0	58.0

Electrical Specifications-CPBS09050

Part Number	Inductance(nH) (±15%)	DCR (mΩ) (±10%)	Inductance(nH) @Isat(Min.)	Irms(Max) (A)	Isat(Max) (A)
CPBS09050-R18L	180	0.125	126.0	63.0	49.0
CPBS09050-R21L	210	0.125	147.0	63.0	38.0
CPBS09050-R24L	240	0.125	168.0	63.0	33.0
CPBS09050-R27L	270	0.125	189.0	63.0	30.0
CPBS09050-R33L	330	0.125	231.0	63.0	23.0
CPBS09050-R47L	470	0.125	329.0	63.0	16.0

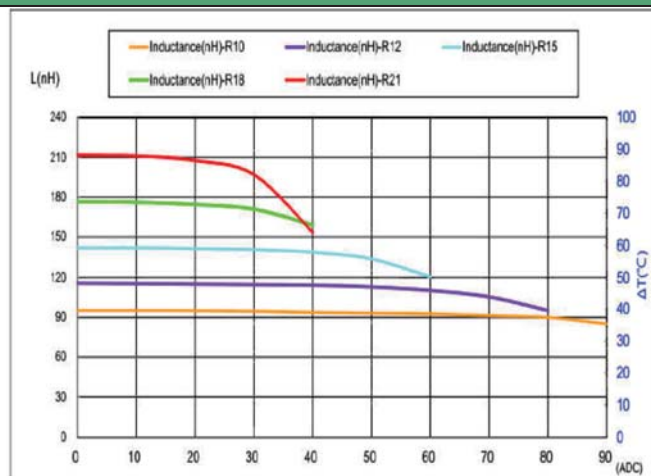
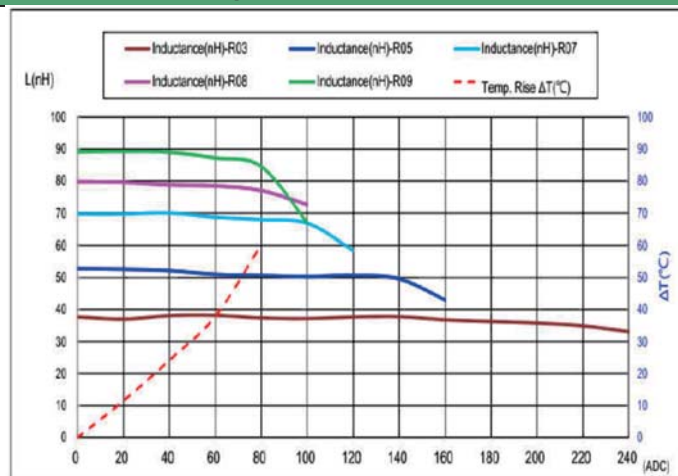
- The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.
- Inductance Tested at 100KHz, 0.1Vrms.
- $\Delta t=40^{\circ}\text{C}$.

Electrical Specifications-CPBS09050A

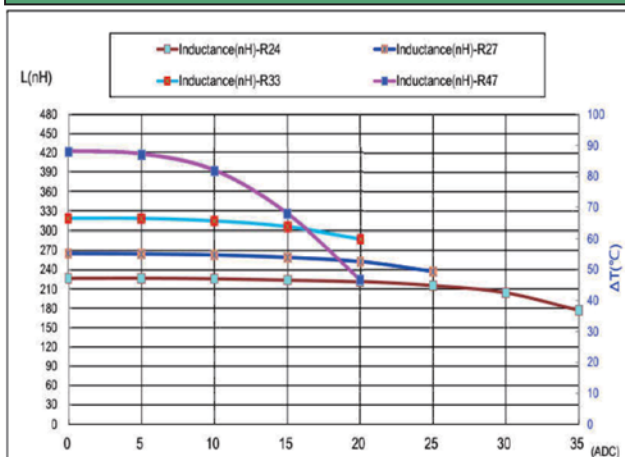
Part Number	Inductance(nH) (±15%)	DCR (mΩ) (±5%)	Inductance(nH) @Isat(Min.)	Irms(Max) (A)	Isat(Max) (A)
CPBS09050A-R15L	150	0.4	105.0	38.0	58.0
CPBS09050A-R18L	180	0.4	126.0	38.0	49.0
CPBS09050A-R21L	210	0.4	147.0	38.0	38.0
CPBS09050A-R27L	270	0.4	189.0	38.0	30.0
CPBS09050A-R33L	330	0.4	231.0	38.0	23.0
CPBS09050A-R47M	470	0.4	329.0	38.0	16.0

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

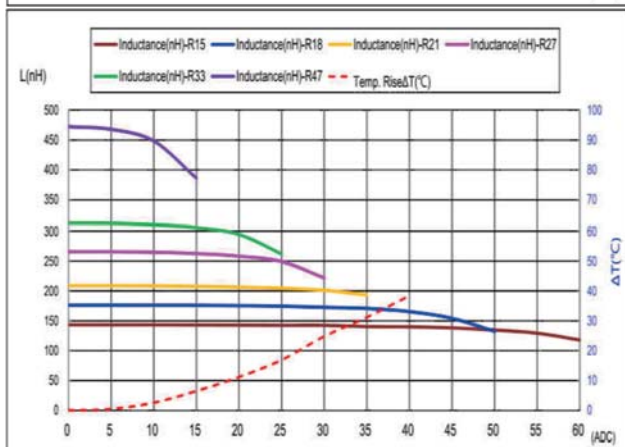
Inductance/Temperature Rise VS DC BIAS



Inductance/Temperature Rise VS DC BIAS



CPBS09050



CPBS09050A