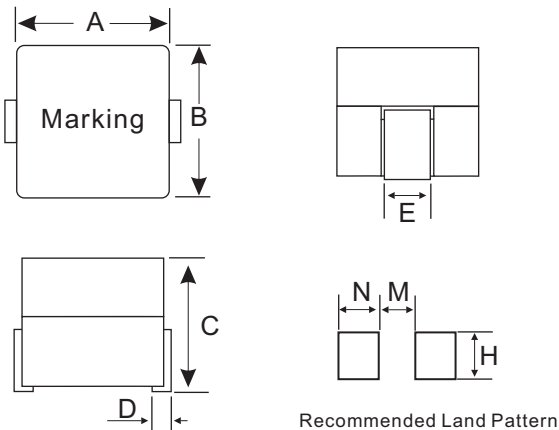
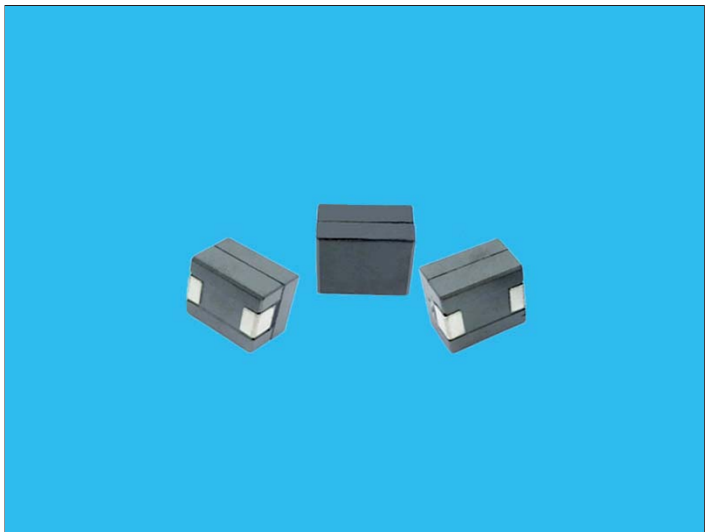


# SMD High Current Power Beads



Dimensions and Footprint (Unit:mm)								
Type	A	B	C	D	E	N	M	H
CPBS05546	5.5 Max.	5.7 Max.	4.6 Max.	1.5±0.5	2.0±0.5	2.0 Ref.	1.8 Ref.	2.5 Ref.
CPBS05560	5.5 Max.	5.7 Max.	6.0 Max.	1.5±0.5	2.0±0.5	2.0 Ref.	1.8 Ref.	2.5 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

CPBS05546-R10M

Inductance

Dimensions

Series Name

Electrical Specifications-CPBS05546					
Part Number	Inductance(nH) (±20%)	DCR (mΩ) (±10%)	Inductance(nH) @Isat(Min.)	Irms(Max) (A)	Isat(Max) (A)
CPBS05546-R035M	35	0.2	24.0	30.0	65.0
CPBS05546-R055M	55	0.2	35.0	30.0	50.0
CPBS05546-R080M	80	0.2	56.0	30.0	35.0

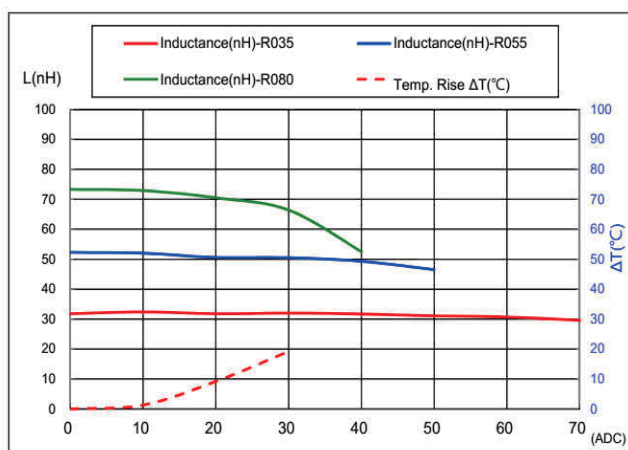
- The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.
- Inductance Tested at 100KHz, 0.1Vrms.
- Δ t=40°C.

## Electrical Specifications-CPBS05560

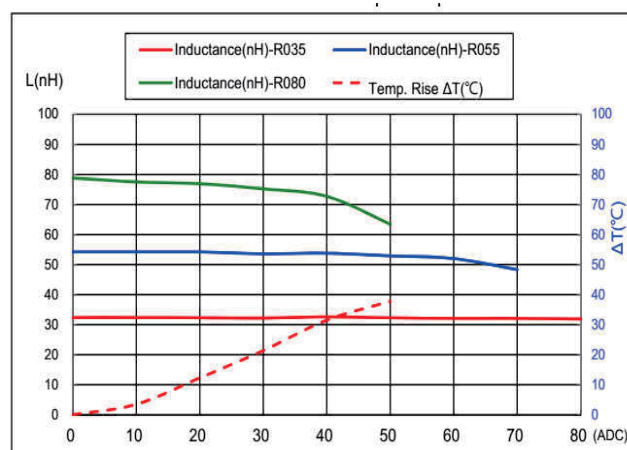
Part Number	Inductance(nH) ( $\pm 20\%$ )	DCR (m $\Omega$ ) ( $\pm 10\%$ )	Inductance(nH) @Isat(Min.)	Irms(Max) (A)	Isat(Max) (A)
CPBS05560-R035M	35	0.2	24.0	50.0	75.0
CPBS05560-R055M	55	0.2	35.0	50.0	66.0
CPBS05560-R080M	80	0.2	56.0	50.0	45.0

- 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



CPBS05546



CPBS05560