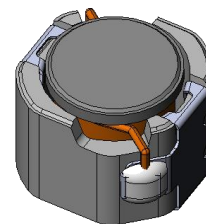


SMD Power Inductor CDRH60D45B/T150



Description

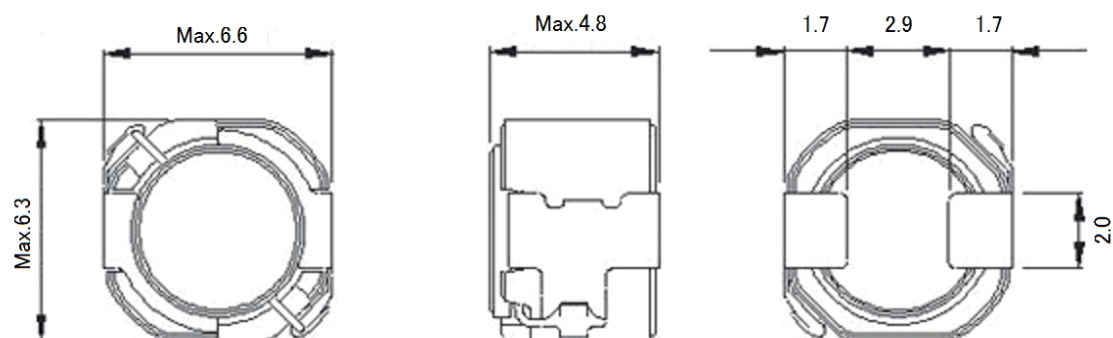
- Ferrite drum core construction
- Magnetically shielded
- Qualified AEC-Q200
- Operating Temperature: -55°C to +150°C
(including coil's self temperature rise)



Applications

- LED Head light for Automobile
- ECU, DC/DC converter
- Automotive and other high temperature, high reliability application

Dimension [mm]



Reference Land pattern [mm]



SMD Power Inductor

CDRH60D45B/T150



Electrical Characteristics

Part No.	Inductance (μ H) ※1	D.C.R (m Ω) ($\pm$ 30%)	Saturation Current (A) at 20°C (TYP.) ※2	Temperature Rise Current (A) (TYP.) ※3
CDRH60D45BT150NP-1R0NC	1.00 $\pm$ 30%	11	6.70 (8.50)	4.20 (4.80)
CDRH60D45BT150NP-1R5NC	1.50 $\pm$ 30%	13	5.50 (7.20)	4.00 (4.50)
CDRH60D45BT150NP-2R2NC	2.20 $\pm$ 30%	15	4.20 (5.70)	3.85 (4.10)
CDRH60D45BT150NP-3R3NC	3.00 $\pm$ 30%	18	3.50 (5.00)	3.40 (3.70)
CDRH60D45BT150NP-4R7NC	4.70 $\pm$ 30%	23	3.10 (4.10)	3.00 (3.40)
CDRH60D45BT150NP-6R8NC	6.80 $\pm$ 30%	27	2.50 (3.60)	2.60 (3.10)
CDRH60D45BT150NP-100MC	10 $\pm$ 20%	38	2.10 (2.80)	2.40 (2.60)
CDRH60D45BT150NP-150MC	15 $\pm$ 20%	64	1.70 (2.30)	1.50 (2.00)
CDRH60D45BT150NP-220MC	22 $\pm$ 20%	82	1.40 (1.90)	1.40 (1.70)
CDRH60D45BT150NP-330MC	33 $\pm$ 20%	105	1.10 (1.56)	1.30 (1.60)
CDRH60D45BT150NP-470MC	47 $\pm$ 20%	130	0.97 (1.28)	1.10 (1.40)
CDRH60D45BT150NP-680C	68 $\pm$ 20%	200	0.81 (1.07)	0.85 (1.10)
CDRH60D45BT150NP-101MC	100 $\pm$ 20%	320	0.61 (0.90)	0.72 (0.86)
CDRH60D45BT150NP-151MC	150 $\pm$ 20%	480	0.53 (0.74)	0.60 (0.72)
CDRH60D45BT150NP-221MC	220 $\pm$ 20%	720	0.47 (0.62)	0.48 (0.57)
CDRH60D45BT150NP-331MC	330 $\pm$ 20%	970	0.36 (0.50)	0.40 (0.49)

※ Measuring frequency inductance at 100kHz,1V.

※ Saturation current: DC current which becomes inductance value drop by 30% from the nominal value. () is typical value.

※ Temperature rise current: The value of D.C. current when the temperature of coil becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).
() is typical value.