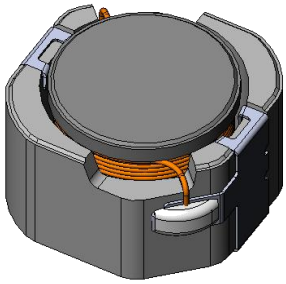
CDRH12D77B/T150

PROVISIONAL

RoHS



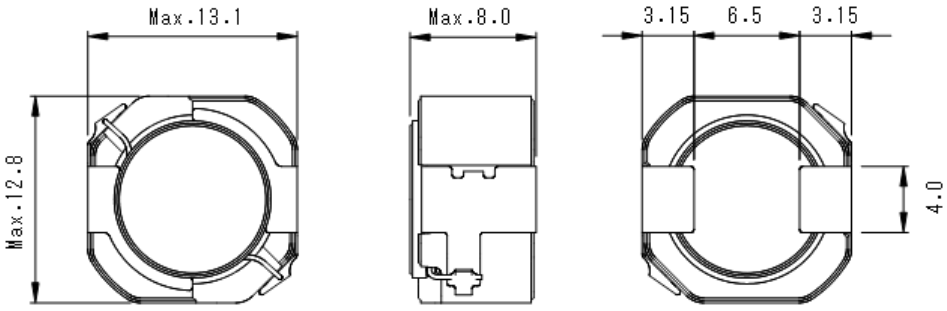
Features

- Ferrite drum core construction
- Magnetically shielded.
- Qualified AEC-Q200
- Operating temperature range: - 55deg C～+150deg C (including coil's self temperature rise)

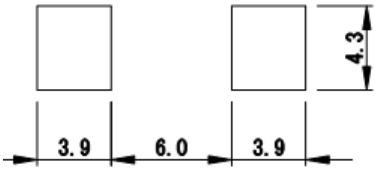
Applications

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

Dimension [mm]



Reference Land pattern [mm]



Electrical characteristics

Part Name	Inductance (μ H) [Within] ※1	D.C.R (mΩ) [Within] (at 20℃)	Saturation current (A) (at 20℃) ※2	Temperature rise current (A) ※3
CDRH12D77BT150NP-1R0NC	1.0±30%	4.5±30%	31.0	11.7
CDRH12D77BT150NP-1R5NC	1.5±30%	5.4±30%	25.0	10.6
CDRH12D77BT150NP-2R2NC	2.2±30%	6.3±30%	20.6	10.0
CDRH12D77BT150NP-3R3NC	3.3±30%	7.4±30%	16.7	9.60
CDRH12D77BT150NP-4R2NC	4.2±30%	8.4±30%	14.7	9.20
CDRH12D77BT150NP-6R8NC	6.8±30%	13.0±30%	11.7	7.50
CDRH12D77BT150NP-100MC	10±20%	15.8±20%	9.70	6.70
CDRH12D77BT150NP-150MC	15±20%	22±20%	7.80	5.60
CDRH12D77BT150NP-220MC	22±20%	34±20%	6.40	4.60
CDRH12D77BT150NP-330MC	33±20%	48±20%	5.20	3.70
CDRH12D77BT150NP-470MC	47±20%	60±20%	4.40	3.50
CDRH12D77BT150NP-680MC	68±20%	77±20%	3.70	3.10
CDRH12D77BT150NP-101MC	100±20%	115±20%	3.05	2.50
CDRH12D77BT150NP-151MC	150±20%	165±20%	2.55	2.10
CDRH12D77BT150NP-221MC	220±20%	265±20%	2.05	1.60
CDRH12D77BT150NP-331MC	330±20%	370±20%	1.70	1.35
CDRH12D77BT150NP-471MC	470±20%	510±20%	1.40	1.16

※1 Measuring frequency inductance at 100kHz,1V.

※2 Saturation current : DC current which becomes inductance value drop by 30% from the nominal value.

※3 Temperature rise current : The actual value of D.C. current when the temperature of coil becomes ⊿T=40℃(Ta=20℃).

CAUTION: Recommend not to operate with audio-frequency (AF) signals and should be mounted a proper position in the PCB to prevent noises problems which may be caused by magnetostriction.