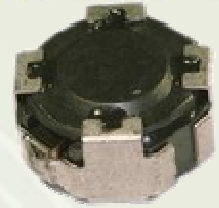


Power Inductor CDRH10D48/AA



■ Features

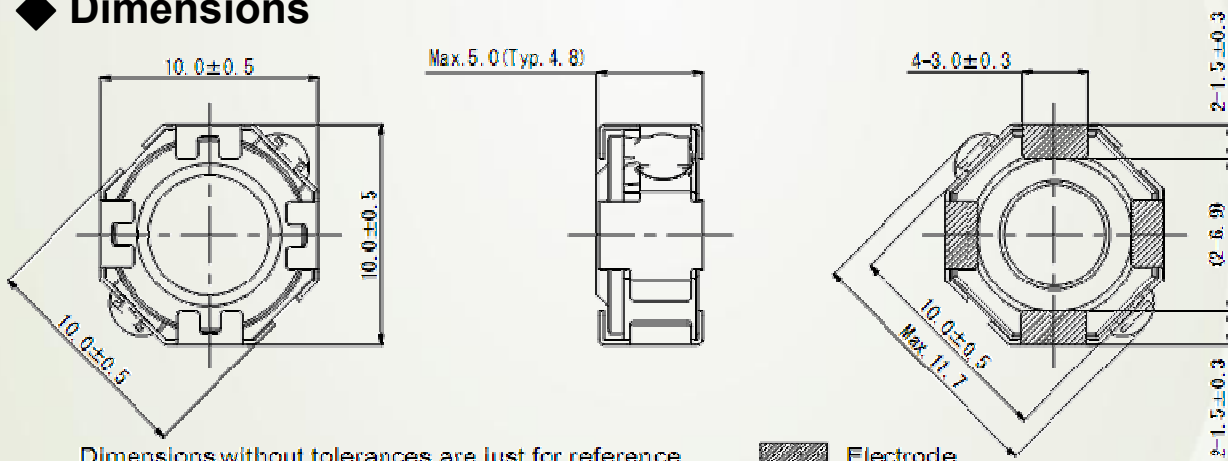
- ◎ Magnetically shielded construction.
- ◎ Storage temperature range: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$.
- ◎ Operating temperature range: $-40^{\circ}\text{C}\sim+180^{\circ}\text{C}$ (including coil's self temperature rise).
- ◎ RoHS Compliance and Halogen Free.

■ Applications

High temperature product, Used in automotive.

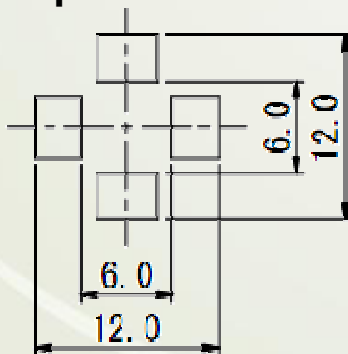
■ Dimensions/Recommended Land Patterns (mm)

◆ Dimensions



Dimensions without tolerances are just for reference.

◆ Land pattern



Resist the bottom before mounting.

Power Inductor CDRH10D48/AA



■Electrical Characteristics specification.

Part Name	Stamp	Inductance (μ H) ※1	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C	at 150°C	
CDRH10D48/AANP-100N	100	10 \pm 30%	37(29)	3.10	2.55	2.87
CDRH10D48/AANP-150N	150	15 \pm 30%	49(39)	2.49	2.05	2.43
CDRH10D48/AANP-220N	220	22 \pm 30%	72(57)	2.03	1.66	1.96
CDRH10D48/AANP-330N	330	33 \pm 30%	122(97)	1.73	1.40	1.54
CDRH10D48/AANP-470N	470	47 \pm 30%	160(128)	1.42	1.17	1.25
CDRH10D48/AANP-680N	680	68 \pm 30%	224(179)	1.13	0.94	0.99
CDRH10D48/AANP-101N	101	100 \pm 30%	390(312)	0.97	0.80	0.75
CDRH10D48/AANP-151N	151	150 \pm 30%	580(464)	0.77	0.64	0.62
CDRH10D48/AANP-221N	221	220 \pm 30%	847(677)	0.69	0.55	0.51
CDRH10D48/AANP-331N	331	330 \pm 30%	1370(1090)	0.50	0.42	0.40
CDRH10D48/AANP-471N	471	470 \pm 30%	2220(1770)	0.45	0.35	0.30
CDRH10D48/AANP-681N	681	680 \pm 30%	2720(2170)	0.36	0.29	0.28
CDRH10D48/AANP-102N	102	1000 \pm 30%	4800(3840)	0.30	0.24	0.20

※1. Measuring condition: at 100kHz,1.0V.

※2. Saturation current: The DC current at which the inductance decreases to 65% of its nominal value.

※3. Temperature rise current: The DC current at which the temperature rise is $\Delta t=30^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$).

For More Information

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