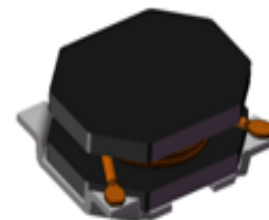


CMI-MDOP252010SH-SERIES



Features

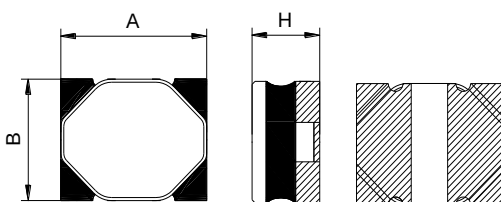
- ▶ Small size, high current and low profile.
- ▶ Metal powder molding type for EMC protection.
- ▶ Lower DCR with applying flat wire.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant.



Applications

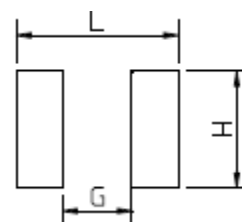
- ▶ For DC/DC converter(Mobile phones, Tablet, Display,HDD, SSD etc.)

Dimension (Unit:mm)



A	B	H
2.5±0.2	2.0±0.2	1.0Max

Land Pattern (Unit:mm)



L	G	H
2.7	0.5	2.2

Specifications

Part Number	Inductance (uH)	DCR(mohm) Max(Typ)	IDC1(A) Max(Typ)	IDC2(A) Max(Typ)	Test Frequency (Hz)
CMI-MDOP252010SH-R33M	0.33±20%	30(25)	5.60(6.20)	4.60(4.70)	1M
CMI-MDOP252010SH-R47M	0.47±20%	46(38)	4.70(5.10)	4.00(4.10)	1M
CMI-MDOP252010SH-R68M	0.68±20%	60(50)	3.90(4.30)	3.20(3.30)	1M
CMI-MDOP252010SH-1R0M	1.0±20%	73(61)	3.70(4.10)	2.90(3.00)	1M
CMI-MDOP252010SH-1R5M	1.5±20%	118(98)	2.50(2.80)	2.50(2.55)	1M
CMI-MDOP252010SH-2R2M	2.2±20%	166(139)	2.40(2.60)	1.90(2.00)	1M
CMI-MDOP252010SH-4R7M	4.7±20%	273(228)	1.60(1.80)	1.50(1.60)	1M
CMI-MDOP252010SH-100M	10.0±20%	672(560)	1.10(1.20)	0.95(1.00)	1M

- IDC1: When based on the inductance change rate (approximately 30% below in the initial value)
- IDC2: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Absolute maximum voltage: DC 30V

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