

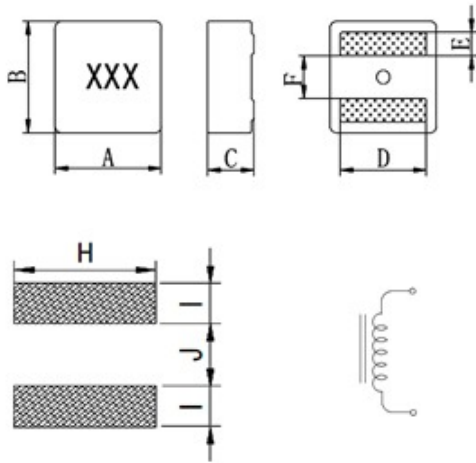
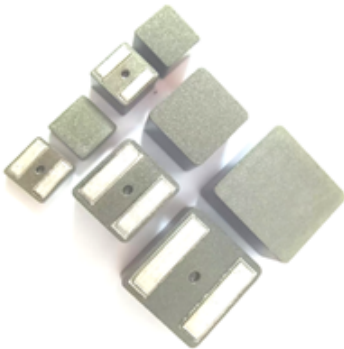
OWIHPM1031 - series

Flat wire iron-powder molded inductors



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Characteristics

Test Voltage	1.0V
Parameters Test Temp	20°C
Operation Temp (Incl temp rise)	-40°C to +125°C
Storage Temp	0 to 40°C
Storage Humidity	10% to 70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	L drops off 30% typ at Isat
Temperature rise	40°C typ. at Irms

Features

- Hot injection molded
- Larger terminations for Lower DCR and Stronger soldering joint
- Rugged mechanical construction
- Ultra low buzz noise due to molding construction
- Magnetically Shielded
- High reliability
- Halogen Free & ROHS compliant

Applications

- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
11.90	11.00	2.90	9	2,40	4,40					Square
±0.30	±0.30	±0.20	±0.50	±0.30	±0.50					

Product ID	Inductance [μ H]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
OWIHPM1031-2R2	2.20	6.80	24.00	16.00					Request samples
OWIHPM1031-1R5	1.50	6.60	30.00	18.00					Request samples
OWIHPM1031-1R0	1.00	4.95	35.00	23.00					Request samples
OWIHPM1031-R90	0.90	4.20	36.00	24.00					Request samples
OWIHPM1031-R82	0.82	4.10	38.00	25.00					Request samples
OWIHPM1031-R56	0.56	2.75	44.00	32.00					Request samples
OWIHPM1031-R28	0.28	1.60	65.00	35.00					Request samples