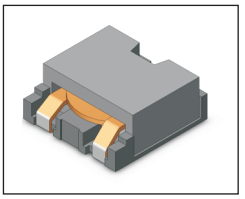
SMT Power Inductor

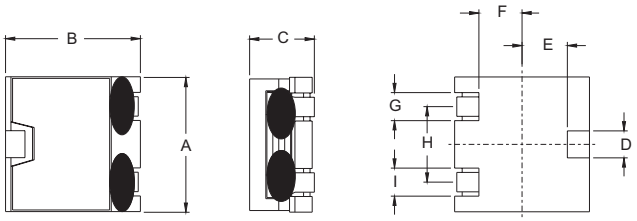
HMU1056S Type

Features

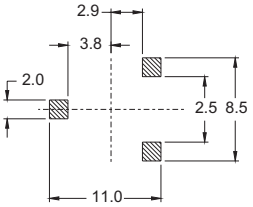


- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

Mechanical Dimension :



RECOMMENDED PAD PATTERNS



UNIT : mm/inch
A = 10.40 / 0.409 Max.
B = 10.40 / 0.409 Max.
C = 5.60 / 0.220 Max.
D = 1.40 / 0.055
E = 3.80 / 0.150
F = 2.90 / 0.114
G = 2.60 / 0.102
H = 5.50 / 0.217
I = 2.60 / 0.102

Electrical Characteristics : At 25°C : 100KHz, 1V

PART NO.	L [1] (uH)	DCR (mΩ) MAX	I_{RATED} [2] (Adc)
HMU1056S-R22	0.22	1.7	19.0
HMU1056S-R45	0.45	2.4	17.7
HMU1056S-0R8	0.80	4.1	13.0
HMU1056S-1R3	1.30	5.3	11.2
HMU1056S-1R8	1.80	7.5	9.0
HMU1056S-2R5	2.50	10.5	7.8
HMU1056S-3R2	3.20	12.4	7.4
HMU1056S-4R0	4.00	18.0	6.2
HMU1056S-5R0	5.00	23.8	4.9

1. Tolerance of inductance : 0.22 ~ 0.45uH ± 30% 0.80~5.00uH ± 20%
2. I_{RATED} is the DC current which cause the inductance drop less than 35% (20% typical) of its nominal inductance without current and the surface temperature of the part increase less than 45°C.
3. Operating temperature : -20°C to 105°C (including self-temperature rise).

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