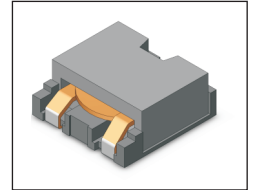


SMT Power Inductor

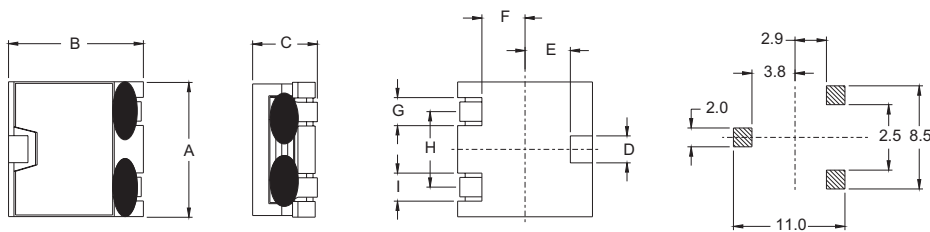
HMU1056S Type

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 :



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 (μ H) | DCR (m Ω) MAX | I _{RATED} ² (A dc) |
|--------------|------------------------------|--------------------------|---|
| 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 ~ 0.45 μ H \pm 30% 0.80~5.00 μ H \pm 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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