

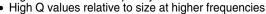


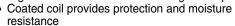
# High Frequency, Surface Mount, Laser Spiral, **Coated Inductors**



### **FEATURES**

- Very small in size
- High self-resonant frequency values







- Compatible with vapor phase and infrared reflow soldering
- Tape and reel packaging for automatic handling, 10 000/reel, EIA-481
- L and Q value not affected by mounting orientation
- 100 % lead (Pb)-free and RoHS compliant

#### **TEST EQUIPMENT**

- Inductance and Q measured on HP4291B
- SRF measured on HP8753E
- DCR measured on HP4338B

#### **ELECTRICAL SPECIFICATIONS**

Inductance Range: 1.0 nH to 100 nH Inductance and Tolerance: ± 0.3 nH for 1.0 - 5.6 nH

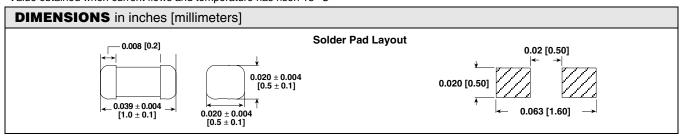
± 5 % for 6.8 nH to 100 nH - 40 °C to + 100 °C

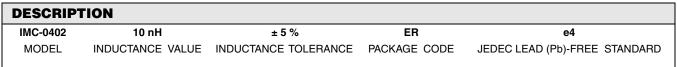
**Operating Temperature:** Core Material:

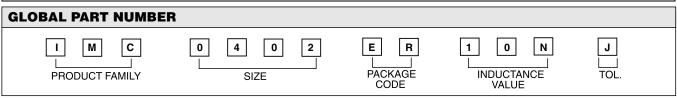
Ceramic

STANDARD ELECTRICAL SPECIFICATIONS							
INDUCTANCE (nH)	TOLERANCE	TEST FREQUENCY L (MHz)	Q TYPICAL	TEST FREQUENCY Q (MHz)	SELF-RESONANT FREQUENCY MINIMUM (MHz)	DCR MAXIMUM (Ohms)	RATED DC* CURRENT (mA)
1.0 1.25.8.27.3.9.7.6.8.20 2.3.3.4.6.8.20 1.1.2.2.3.3.4.6.8.20 1.1.2.2.3.3.4.6.8.20 1.1.2.2.3.3.4.6.8.20	+ 0.3 n n n n n n n n n n n n n n n n n n n	100 100 100 100 100 100 100 100 100 100	21 21 21 21 21 22 20 20 20 19 19 19 19 19 19 19 19 19 19 19 19 19	800 800 800 800 800 800 800 800 800 800	6000 6000 6000 6000 5500 5500 4800 4600 3500 2800 2800 2500 2000 1800 1800 1800 1500 1500	0.05 0.06 0.07 0.08 0.09 0.10 0.12 0.15 0.17 0.19 0.30 0.35 0.41 0.45 0.60 0.70 0.80 1.20 1.40 1.70 2.50 4.00 4.50 5.50	400 400 400 400 400 400 360 360 320 320 320 240 240 200 170 150 140 130 120 110 90

<sup>\*</sup>Value obtained when current flows and temperature has risen 15 °C









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Revision: 18-Jul-08

Document Number: 91000