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High Frequency, Surface Mount Molded Inductors



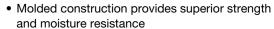


STANDARD ELECTRICAL SPECIFICATIONS						
IND. (μH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) ⁽¹⁾
1.0 1.2 1.5 1.8 2.2 2.7 3.3 3.9 4.7 5.6 6.8 8.2 10 12 15 18 22 27 33 39 47 56 68 82 100 120 150 180 2270 330 390 470 5600 680 8200 1500 1500 1500 1500 1500 1500 1500 1	10	7.96 7.96 7.96 7.96 7.96 7.96 7.96 7.96	10 10 10 10 10 10 10 10 10 10 10 10 10 1	9705742742964297643555587466484962964422854321119887766544333222222281111198765	0.030 0.035 0.040 0.050 0.060 0.070 0.080 0.110 0.130 0.150 0.360 0.210 0.360 0.520 0.520 0.520 0.520 1.40 1.60 1.90 2.20 2.80 7.00 8.50 10.0 13.0 17.0 20.0 30.0 35.0 60.0 78.0 85.0 1125.0 1150.0	1800 1700 1600 1400 1200 1120 1050 950 880 810 750 690 630 580 580 480 440 400 370 250 270 250 210 190 170 155 140 130 120 110 100 90 85 75 70 60 60 60 60 60 60 60 60 60 60 60 60 60

Rated DC current based on the maximum temperature rise, not to exceed 40 °C at +85 °C ambient

Note

FEATURES





 Compatible with vapor phase infrared and wave RoHS soldering methods (100 % tin plating)

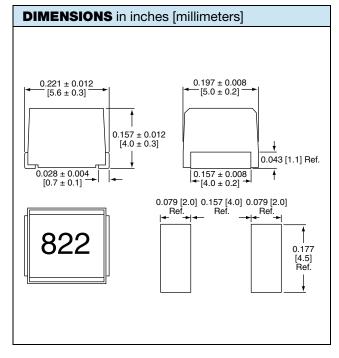
- · Tape and reel packaging for automatic handling, 2000/reel
- · Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

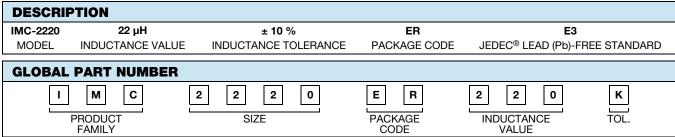
ELECTRICAL SPECIFICATIONS

Inductance Range: 1.0 µH to 10 000 µH Inductance and Tolerance: ± 10 %, ± 5 % Operating Temperature: -40 °C to +125 °C Storage Temperature: -40 °C to +125 °C

TEST EQUIPMENT

- Inductance and Q measured on HP4191
- SRF measured on HP3755
- DCR measured on HP34401







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Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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