

# **High Frequency, Surface-Mount Molded Inductors**

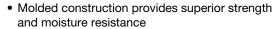




| STANDARD ELECTRICAL SPECIFICATIONS  |  |   |   |  |  |  |
|---|--|---|---|--|--|--|
| IND.<br>(µH)  | TOL.                                   | TEST<br>FREQ.<br>(MHz)<br>L & Q         | Q<br>MIN.   | SRF<br>MIN.<br>(MHz)   | DCR<br>MAX.<br>(Ω)   | RATED DC<br>CURRENT<br>(mA) (1)  |
| 1.0<br>1.2<br>1.5<br>1.8<br>2.2<br>2.7<br>3.3<br>3.9<br>4.7<br>5.6<br>6.8<br>8.2<br>10<br>15<br>15<br>18<br>22<br>7<br>33<br>39<br>47<br>56<br>68<br>82<br>100<br>120<br>150<br>120<br>270<br>330<br>470<br>560<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>12 | 100%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | 7.96 7.96 7.96 7.96 7.96 7.96 7.96 7.96 | 10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>1 | 95<br>70<br>57<br>57<br>42<br>37<br>42<br>32<br>29<br>20<br>21<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 0.030<br>0.035<br>0.040<br>0.050<br>0.060<br>0.070<br>0.100<br>0.110<br>0.150<br>0.150<br>0.300<br>0.300<br>0.360<br>0.430<br>0.520<br>0.720<br>0.850<br>1.20<br>1.40<br>1.90<br>2.20<br>2.80<br>3.420<br>4.90<br>5.80<br>10.0<br>15.00<br>17.0<br>20.0<br>35.0<br>60.0<br>78.0<br>85.0<br>110.0<br>125.0<br>110.0<br>125.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0<br>110.0 | 1800<br>1700<br>1600<br>1400<br>1300<br>11200<br>11200<br>1050<br>950<br>880<br>810<br>750<br>690<br>630<br>580<br>480<br>440<br>440<br>370<br>250<br>270<br>250<br>210<br>190<br>170<br>155<br>140<br>130<br>120<br>155<br>140<br>130<br>120<br>155<br>140<br>155<br>160<br>170<br>170<br>170<br>170<br>170<br>170<br>170<br>170<br>170<br>17 |

# Note

#### **FEATURES**





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

RoHS **HALOGEN** FREE

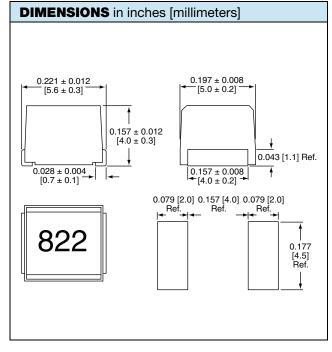
· Material categorization: for definitions of compliance please see www.vishav.com/doc?99912

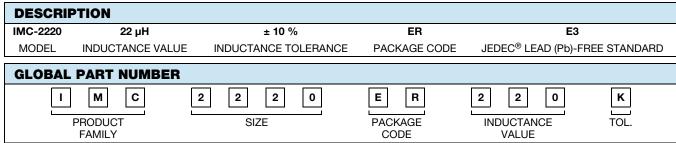
#### **ELECTRICAL SPECIFICATIONS**

Inductance Range: 1.0 µH to 10 000 µH Inductance and Tolerance:  $\pm$  10 %,  $\pm$  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





<sup>(1)</sup> Rated DC current based on the maximum temperature rise, not to exceed 40 °C at +85 °C ambient



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