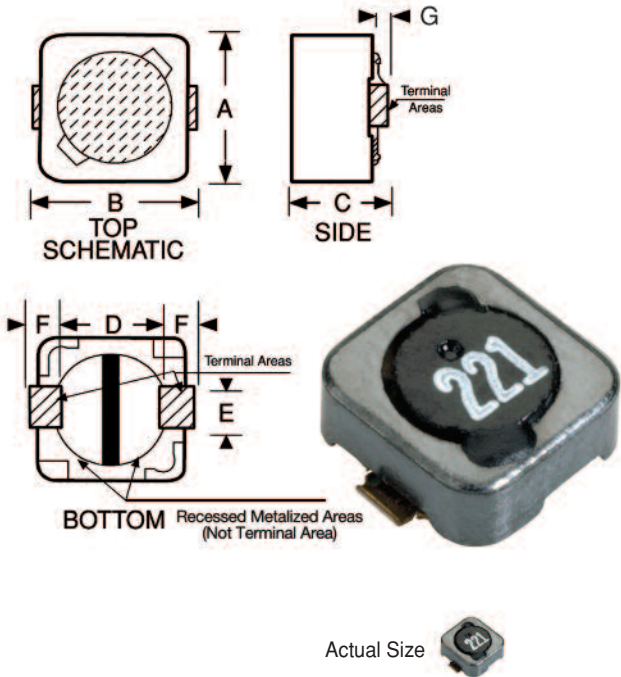


Shielded Surface Mount Inductors

DASH NUMBER*
 INDUCTANCE (μH) ±20%
 TEST FREQUENCY (kHz)
 DC RESISTANCE MAXIMUM (OHMS)
 CURRENT RATING TYPICAL (AMPS)



| SERIES SPD62R FERRITE CORE & SLEEVE | | | | |
|-------------------------------------|-----|-----|------|------|
| -122M | 1.2 | 100 | 0.08 | 3.50 |
| -242M | 2.4 | 100 | 0.10 | 2.80 |
| -352M | 3.5 | 100 | 0.12 | 2.50 |
| -472M | 4.7 | 100 | 0.15 | 2.00 |
| -682M | 6.8 | 100 | 0.17 | 1.80 |
| -103M | 10 | 100 | 0.18 | 1.40 |
| -123M | 12 | 100 | 0.20 | 1.30 |
| -153M | 15 | 1.0 | 0.30 | 1.20 |
| -183M | 18 | 1.0 | 0.35 | 1.10 |
| -223M | 22 | 1.0 | 0.40 | 1.00 |
| -273M | 27 | 1.0 | 0.45 | 0.94 |
| -333M | 33 | 1.0 | 0.50 | 0.82 |
| -393M | 39 | 1.0 | 0.70 | 0.78 |
| -473M | 47 | 1.0 | 0.75 | 0.70 |
| -563M | 56 | 1.0 | 0.85 | 0.68 |
| -683M | 68 | 1.0 | 1.20 | 0.56 |
| -823M | 82 | 1.0 | 1.45 | 0.50 |
| -104M | 100 | 1.0 | 1.60 | 0.41 |
| -124M | 120 | 1.0 | 1.70 | 0.39 |
| -154M | 150 | 1.0 | 1.80 | 0.37 |
| -184M | 180 | 1.0 | 2.10 | 0.35 |
| -224M | 220 | 1.0 | 2.20 | 0.32 |
| -274M | 270 | 1.0 | 3.00 | 0.29 |
| -334M | 330 | 1.0 | 3.30 | 0.22 |

*Complete part # must include series # PLUS the dash #

Physical Parameters

| | Inches | Millimeters |
|---|-----------------|----------------|
| A | 0.244 ± 0.012 | 6.2 ± 0.3 |
| B | 0.260 ± .012 | 6.6 ± 0.3 |
| C | 0.118 Max. | 3.0 Max. |
| D | 0.181 Ref. only | 4.60 Ref. only |
| E | 0.059 ± 0.007 | 1.5 ± 0.2 |
| F | 0.050 ± 0.007 | 1.27 ± 0.2 |
| G | 0.015 Ref. only | 0.38 Ref. only |

Mechanical Configuration Units designed for surface mounting; ferrite core and ferrite sleeve

Operating temperature range -55°C to +125°C

Application Frequency Range

Values 1.2μH to 12μH to 1.0 MHz Min.
 Values above 12μH to 300 kHz Min.

Current Rating at 25°C Ambient The maximum DC current that will cause a 40°C maximum temperature rise and where the inductance will not decrease by more than 10% from its zero DC value

Packaging Tape & reel (16mm):
 13" reel, 1500 pieces max.; 7" reel not available

Note: No vias and traces in restricted area.

Marking For values lower than 10 μH the R indicates a decimal point and the remaining digits indicate the inductance in μH. For values 10 μH and above, the first two digits indicate the inductance in μH and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SPD62R-122M (1.2 μH)
 1R2

Example: SPD62R-334M (330 μH)
 331