



FEATURES

- RoHS compliant
- Radial format
- Up to 3.0A I_{DC}
- 1.0 to 470μH
- Low DC resistance
- Compact size
- Supplied in bags of 200
- UL VW-1 rated sleeving
- Backward compatible with Sn/Pb soldering systems
- Custom products available

DESCRIPTION

The 1100R Series is a general purpose range of inductors suitable for low to medium current applications. Their small footprint makes them ideal for high density applications where a chip inductor will not cope with the power requirement.

SELECTION GUIDE

| Order Code | Inductance (1kHz, 0.1V _{AC}) | DC Current ¹ | DC Resistance |
|------------|---|-------------------------|---------------|
| | ±10% | Max. | Max. |
| | μH | A | Ω |
| 11R102C | 1.0 ±20% | 3.00 | 0.02 |
| 11R152C | 1.5 ±20% | 2.40 | 0.03 |
| 11R222C | 2.2 ±20% | 1.90 | 0.05 |
| 11R332C | 3.3 ±20% | 1.50 | 0.07 |
| 11R472C | 4.7 ±20% | 1.30 | 0.09 |
| 11R682C | 6.8 ±20% | 1.10 | 0.10 |
| 11R103C | 10 | 0.95 | 0.14 |
| 11R153C | 15 | 0.80 | 0.19 |
| 11R223C | 22 | 0.65 | 0.27 |
| 11R333C | 33 | 0.55 | 0.42 |
| 11R473C | 47 | 0.50 | 0.54 |
| 11R683C | 68 | 0.40 | 0.85 |
| 11R104C | 100 | 0.35 | 1.10 |
| 11R154C | 150 | 0.30 | 1.65 |
| 11R224C | 220 | 0.24 | 2.40 |
| 11R334C | 330 | 0.19 | 3.60 |
| 11R474C | 470 | 0.14 | 6.40 |

ABSOLUTE MAXIMUM RATINGS

| | |
|--------------------------------------|----------------|
| Operating free air temperature range | -40°C to +85°C |
| Storage temperature range | -40°C to 125°C |

SOLDERING INFORMATION²

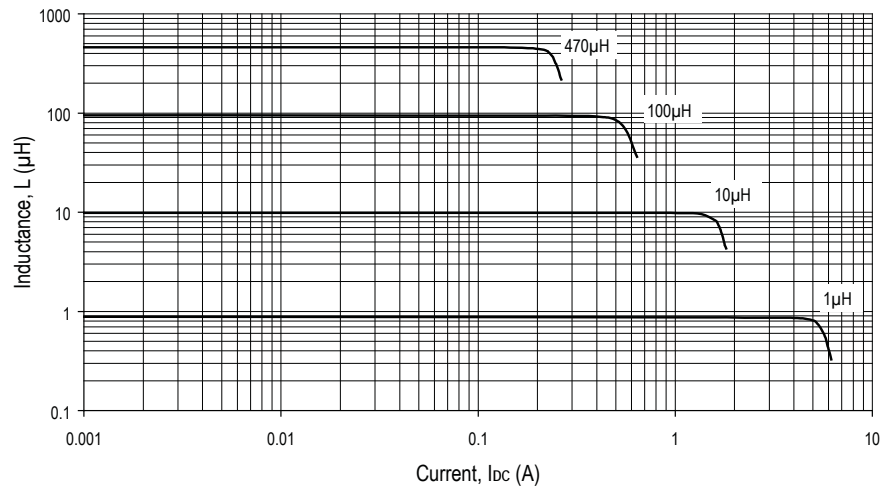
| | |
|------------------------------|----------------------|
| Peak wave solder temperature | 260°C for 10 seconds |
| Pin finish | Bright tin |

All specifications typical at T_A=25°C

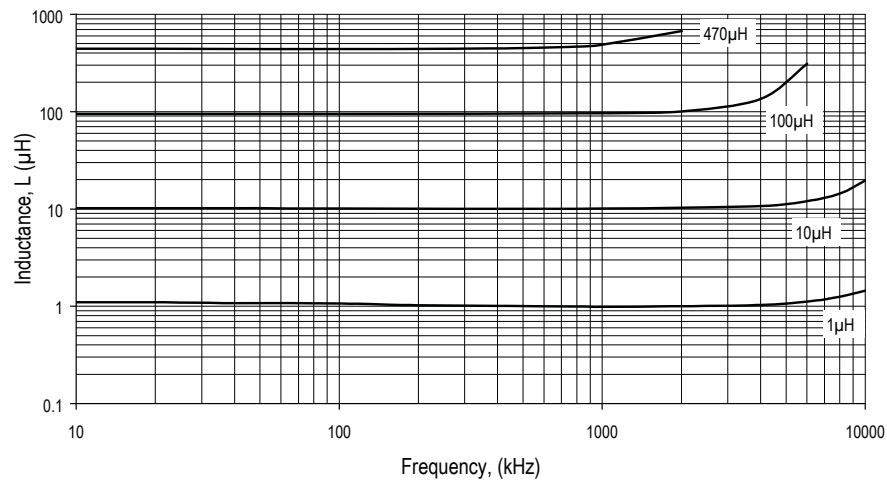
- 1 Maximum DC current occurs when either the inductance falls to 90% of its nominal value or when its temperature rise reaches 30°C, whichever is sooner.
- 2 For further information, please visit www.murata-ps.com/rohs



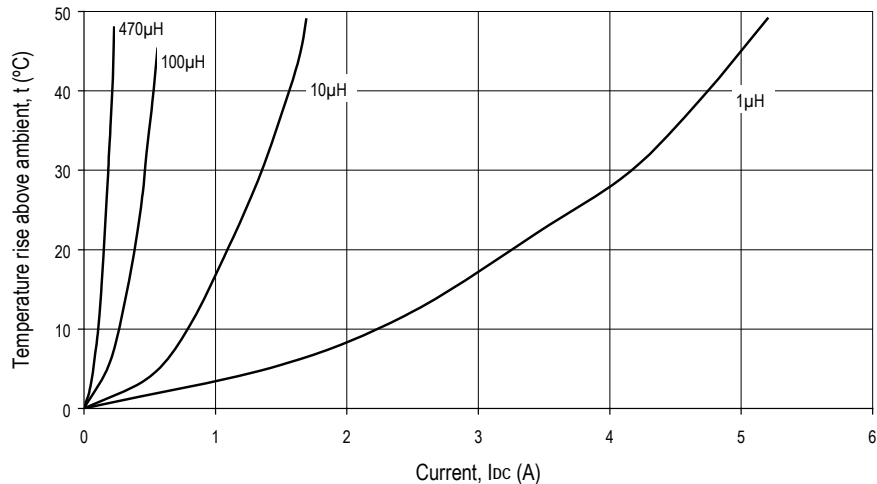
INDUCTANCE Vs CURRENT



INDUCTANCE Vs FREQUENCY

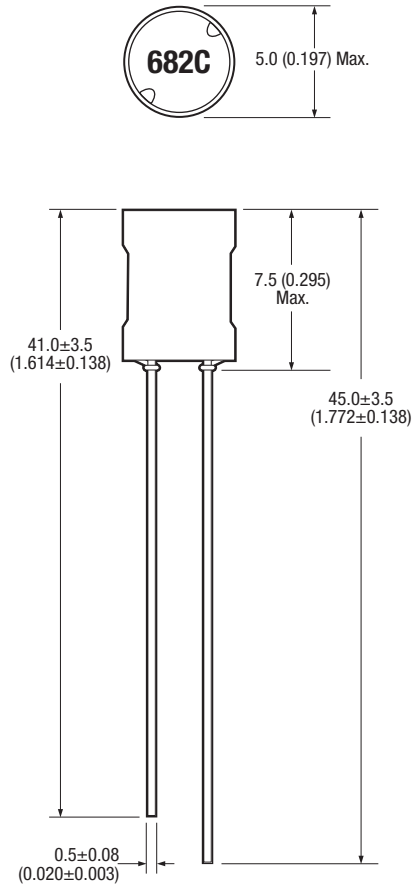


TEMPERATURE Vs CURRENT



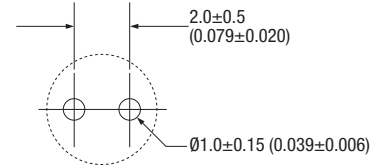
PACKAGE SPECIFICATIONS

MECHANICAL DIMENSIONS



All dimensions in mm (inches). Package weight 0.5g Typ.

RECOMMENDED FOOTPRINT DETAILS



All dimensions in mm (inches)

PACKAGING DETAILS

Supplied in bags (200 pieces per bag)