



FEATURES

- RoHS compliant
- Up to 2.52A I_{DC}
- 10μH to 68mH
- Low DC resistance
- Surface mount
- Compact size
- Tape and reel packaging
- Compatible with RoHS soldering systems
- Backward compatible with Sn/Pb soldering systems
- Custom parts available

DESCRIPTION

The 2200RM Series is a surface mount alternative to our 2200R Series. It 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% μH	Max. A	Max. Ω
Recommended In Production			
22R223MC	22.0	1.81	0.09
22R333MC	33.0	1.31	0.14
22R105MC	1.0mH	0.21	3.63
22R335MC	3.3mH	0.12	10.0
22R106MC	10.0mH	0.068	37.4
22R226MC	22.0mH	0.044	82.5
22R336MC	33.0mH	0.037	110.0
22R476MC	47.0mH	0.033	154.0
22R686MC	68.0mH	0.026	242.0
To be discontinued			
22R103MC	10.0	2.52	0.05
22R153MC	15.0	2.08	0.07
22R473MC	47.0	0.99	0.22
22R683MC	68.0	0.84	0.28
22R104MC	100.0	0.80	0.39
22R154MC	150.0	0.64	0.54
22R224MC	220.0	0.50	0.83
22R334MC	330.0	0.42	1.21
22R474MC	470.0	0.37	1.65
22R684MC	680.0	0.30	2.64
22R155MC	1.5mH	0.16	6.49
22R225MC	2.2mH	0.14	8.58
22R475MC	4.7mH	0.10	13.2
22R685MC	6.8mH	0.077	22.0
22R156MC	15.0mH	0.055	49.5

TEMPERATURE CHARACTERISTICS

Operating free air temperature range	-40°C to 85°C
Storage temperature range	-40°C to 150°C

All specifications typical at T_A=25°C unless otherwise specified.

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.



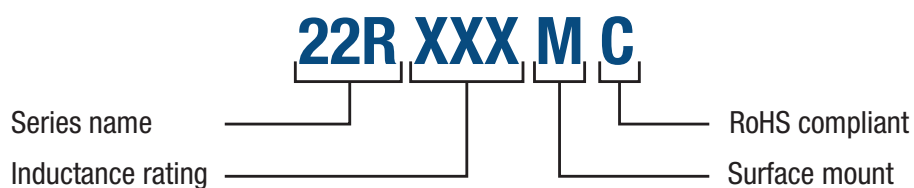
For full details go to
<https://www.murata.com/en-global/products/power/rohs>

RoHS COMPLIANCE, MSL, PSL AND REFLOW SOLDERING INFORMATION

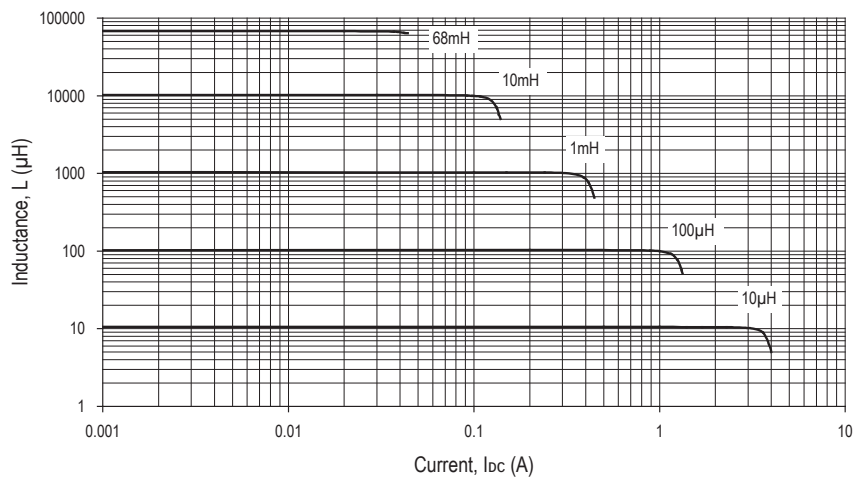


This series is compatible with Pb-Free soldering systems and is also backward compatible with Sn/Pb soldering systems. The 2200RM series can be soldered in accordance with J-STD-020 and have a classification temperature of 260°C and moisture sensitivity level 1. The termination finish on this product is Hot Dipped Tin.

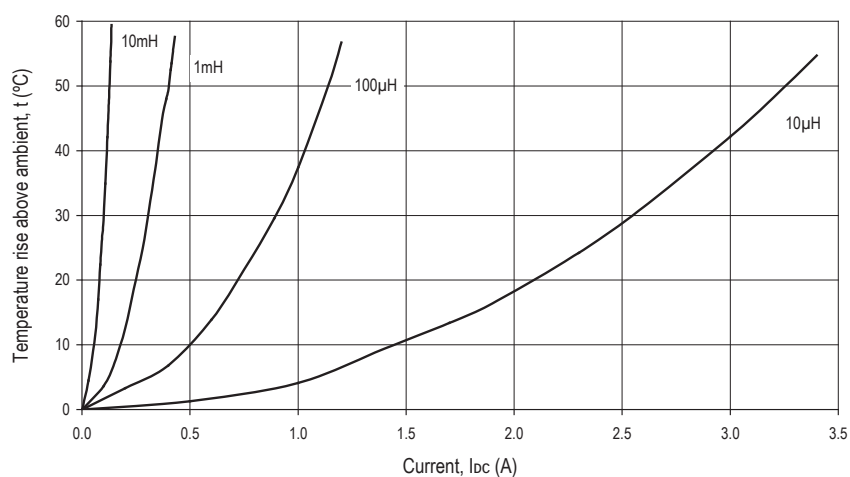
PART NUMBER STRUCTURE



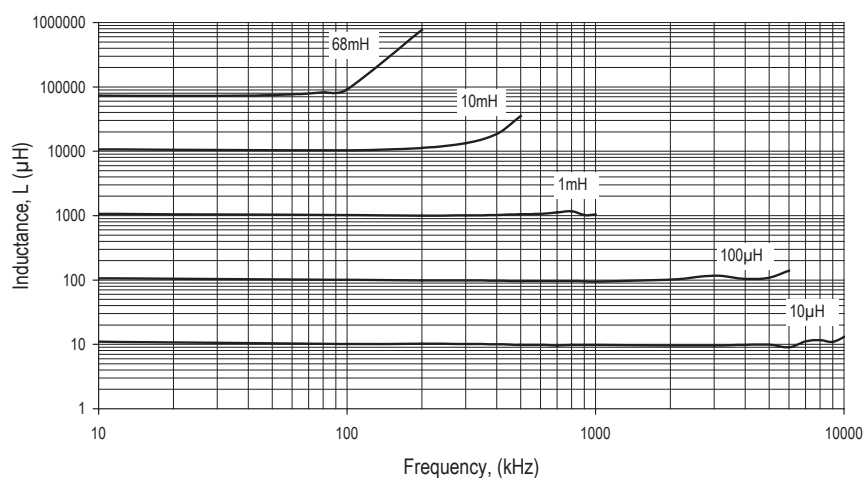
INDUCTANCE Vs CURRENT



TEMPERATURE Vs CURRENT

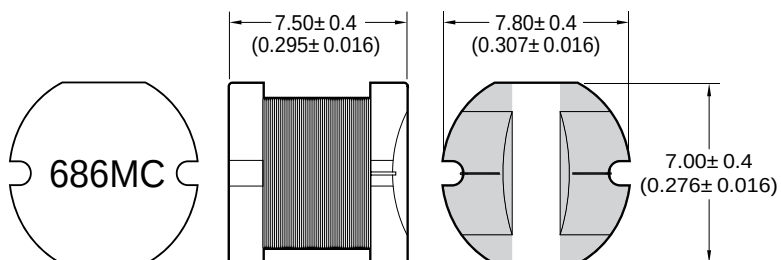


INDUCTANCE Vs FREQUENCY



PACKAGE SPECIFICATIONS

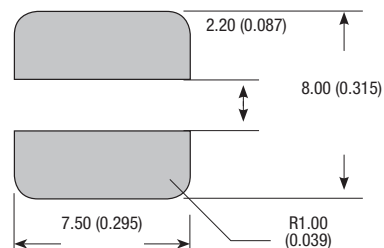
MECHANICAL DIMENSIONS



Package weight: 1.30g Typ.

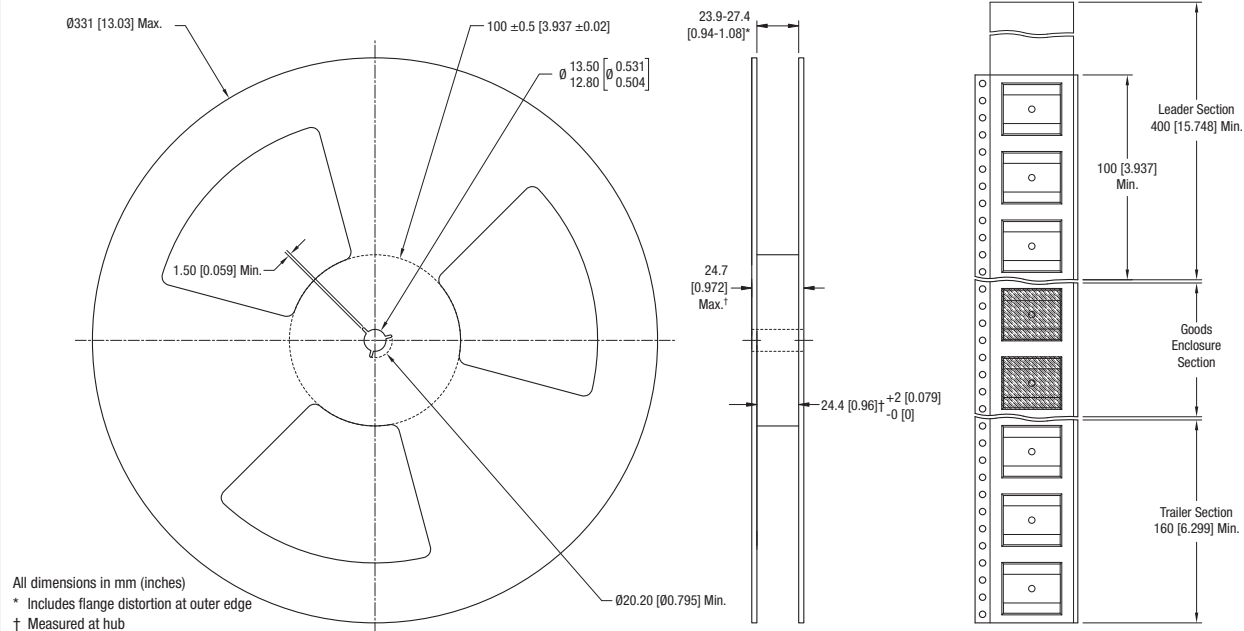
Unless otherwise stated, all dimensions in mm (inches) ± 0.25 (0.010).

RECOMMENDED FOOTPRINT DETAILS

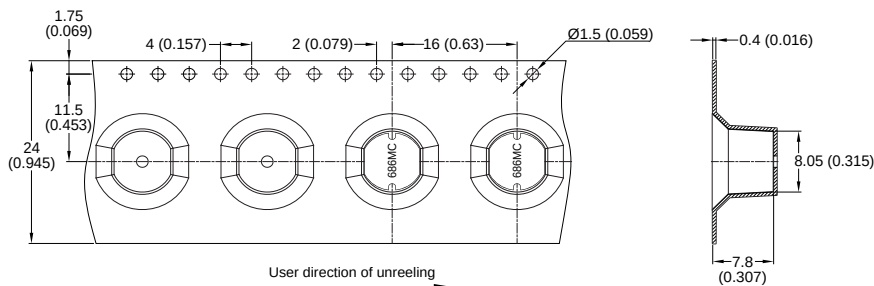


TAPE & REEL SPECIFICATIONS

REEL OUTLINE DIMENSIONS



TAPE OUTLINE DIMENSIONS



Reel quantity: 500
All dimensions in mm (inches)

DISCLAIMER

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- Data Processing equipment

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