IMC-1210



Vishay Dale

Wirewound, 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⁾
$\begin{array}{c} 0.010\\ 0.012\\ 0.012\\ 0.0233\\ 0.0233\\ 0.0233\\ 0.0397\\ 0.0682\\ 0.0233\\ 0.0476\\ 0.0820\\ 0.0397\\ 0.0682\\ 0.012\\ 0.0820\\ 0.0476\\ 0.0820\\ 0.0568\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.0273\\ 0.0682\\ 0.0273\\ 0.026\\ 0.0273\\ 0.026\\ 0.027\\ 0.028\\ 0.022\\$	%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	$\begin{array}{c} 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\$	300 330 330 330 330 330 330 330 330 330	$\begin{array}{c} 1000\\ 100\\ 10$	$\begin{array}{c} 0.134\\ 0.124\\ 0.1222\\ 0.000\\ 0$	$\begin{array}{c} 734\\ 707\\ 6624\\ 592\\ 5640\\ 5303\\ 470\\ 4500\\ 4500\\ 4500\\ 4500\\ 4500\\ 4500\\ 4500\\ 4500\\ 4500\\ 4500\\ 4500\\ 3370\\ 3500\\ 2200\\ 2524\\ 217\\ 494\\ 151\\ 1452\\ 112\\ 104\\ 91\\ 151\\ 1452\\ 112\\ 104\\ 91\\ 833\\ 73\\ 705\\ 660\\ 50\end{array}$

Note

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

FEATURES

- Printed marking
- Molded construction provides superior strength and moisture resistance



- RoHS Compatible with vapor phase and infrared reflow COMPLIANT soldering
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- · Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

ELECTRICAL SPECIFICATIONS

Inductance range: 0.01 µH to 220 µH

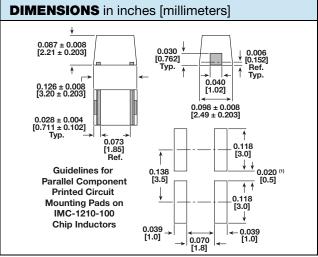
Special tolerances available upon request

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

Coilform material: non-magnetic from 0.01 µH to 0.10 µH; powdered iron from 0.12 µH to 100 µH; ferrite from 120 µH to 220 µH

TEST EQUIPMENT

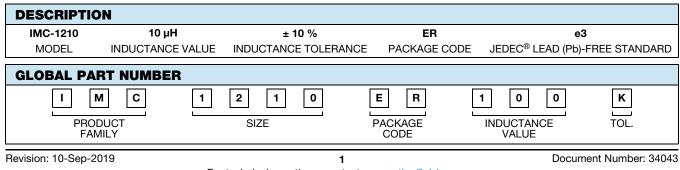
- HP4342A Q meter with Vishay Dale test fixture or equivalent
- HP4191A RF impedance analyzer (for SRF measurements)
- Wheatstone bridge



Note

Recommended spacing between components

- PART MARKING
- Vishay Dale
- Inductance code - Date code



For technical questions, contact: magnetics@vishay.com

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IMC1210SY8R2K IMC1210SY8R2J IMC1210SY1R5K IMC1210SY1R5J IMC1210SY2R2K IMC1210SY2R7K IMC1210SY1R2J IMC1210SY1R0J IMC1210SY1R8J IMC1210SYR47M IMC1210SYR22M IMC1210SY3R3J IMC1210SY3R9J IMC1210SY3R9K IMC1210SY101J IMC1210SY100J IMC1210SY10NK IMC1210SY330K IMC1210SY33NJ IMC1210SY820J IMC1210SY82NK IMC1210SYR18K IMC1210SYR12K IMC1210SYR82K IMC1210SYR27K IMC1210SY4R7K IMC1210SYR47K IMC1210SY27NK IMC1210SYR68K IMC1210SYR68M IMC1210SY390K IMC1210SY150J IMC1210SY5R6K IMC1210SY3R3K IMC1210SY560K IMC1210SY470K IMC1210BN120K IMC1210-.10UH-10%-R98 IMC1210SY1R2K IMC1210SY2R2J IMC1210SY270K IMC1210ER121K IMC1210ER1R8K IMC1210ERR47M IMC1210ERR68M IMC1210BN220K IMC1210SYR15K IMC1210ERR10M IMC1210ERR22M IMC1210ER15NK IMC1210ER560K IMC1210ERR27M IMC1210SY120J IMC1210BN6R8K IMC1210BN180K IMC1210BN1R2K IMC1210SYR10M IMC1210SY1R8K IMC1210SY1R0K IMC1210SY121K IMC1210SY181K IMC1210SY101K IMC1210BNR10M IMC1210BNR39M IMC1210SY150K IMC1210SY6R8J IMC1210SY6R8K IMC1210SY100K IMC1210SY220K IMC1210BN330K IMC1210SY4R7J IMC1210SY180K IMC1210BN150K IMC1210SYR33K IMC1210BN100K IMC1210 .56 5%TR IMC1210 .82 5%TR IMC1210 1 10% IMC1210 2.2 10% IMC1210 2.7 5%TR IMC1210 22 10% IMC1210 27 5%TR IMC1210ER100J IMC1210ER100K IMC1210ER101J IMC1210ER101K IMC1210ER120K IMC1210ER150K IMC1210ER1R0J IMC1210ER1R0K IMC1210ER1R2K IMC1210ER1R5J IMC1210ER1R5K IMC1210ER1R8J IMC1210ER220J IMC1210ER220K IMC1210ER270J IMC1210ER2R2K IMC1210ER2R7K IMC1210ER3R3J