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Vishay Dale

Wirewound, Surface-Mount, Shielded Inductor





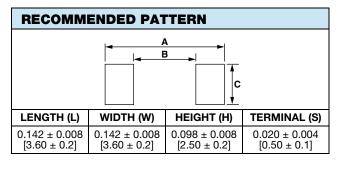




STANDARD ELECTRICAL SPECIFICATIONS									
IND. AT 100 kHz		Q MIN. AT	SRF MIN.	DCR MAX.	RATED DC CURRENT				
(μH)	TOL.	1 MHz	(MHz)	(Ω)	(mA) ⁽¹⁾				
1.0	± 20 %	35	344	0.05	1000				
1.5	± 20 %	35	260	0.06	800				
1.8	± 20 %	35	225	0.09	680				
2.7	± 20 %	38	185	0.14	650				
3.9	± 20 %	38	175	0.26	650				
4.7	± 20 %	38	160	0.35	500				
5.6	± 20 %	38	150	0.40	450				
6.8	± 20 %	38	120	0.60	400				
10	± 20 %	38	100	0.95	250				
15	± 20 %	38	35	1.15	220				
22	± 20 %	40	26	1.40	180				
33	± 20 %	45	20	1.60	150				
39	± 20 %	45	14	1.85	130				
47	± 20 %	45	14	2.50	110				
68	± 20 %	45	12	3.80	100				
82	± 20 %	45	9.0	4.20	100				
100	± 20 %	45	7.0	5.80	80				
120	± 20 %	45	6.0	6.20	60				
150	± 20 %	40	5.6	7.50	50				
220	± 20 %	40	4.0	10.0	50				
330	± 20 %	40	3.8	11.5	50				
470	± 20 %	35	2.0	16.5	50				
560	± 20 %	35	2.0	18.0	30				
680	± 20 %	30	1.8	24.0	30				
820	± 20 %	30	1.5	26.0	30				
1000	± 20 %	30	1.3	30.0	30				

Note

(1) For 15 °C rise



FEATURES

 Excellent solderability and resistance t soldering heat



· Suitable for reflow soldering

ROHS

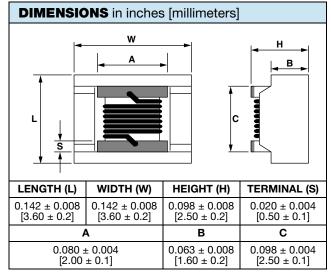
- High reliability and easy surface mount assembly
- Wide range of inductance values available
- Tape and reel packaging for automatic handling, 750/reel, EIA-481
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

ELECTRICAL SPECIFICATIONS

Inductance Range: 1 μ H to 1000 μ H Operating Temperature: -40 °C to +85 °C Storage Temperature: -40 °C to +125 °C Material: ferrite with magnetic shield

TEST EQUIPMENT

- Inductance and Q is measured in HP-4286A RF LCR meter with HP-16193 fixture
- SRF is measured in HP-8753E RF network analyzer
- DCR is measured in HP-4338B millohmeter

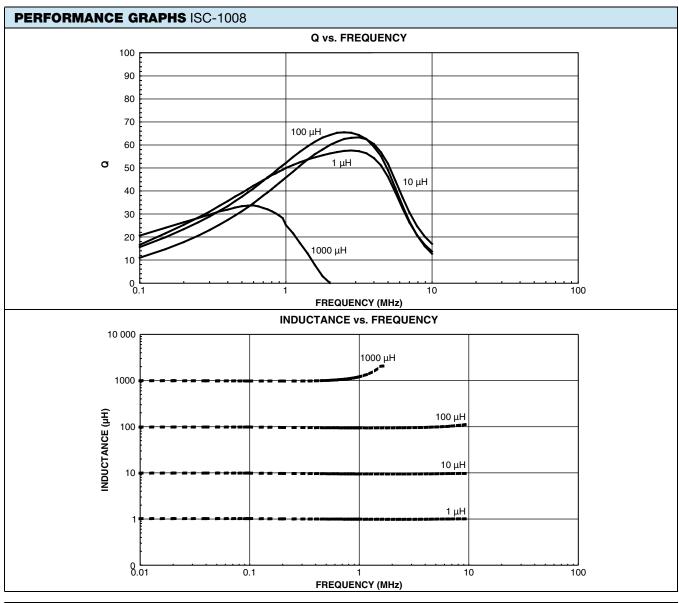


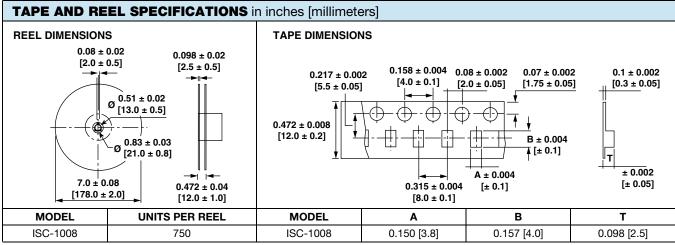
DESCRIPTION								
ISC-1008	10 μH	± 20 %	ER	e3				
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD				

GLOBAL PART NUMBER								
I S C PRODUCT FAMILY	1 0 0 8 SIZE	PACKAGE CODE	1 0 0 INDUCTANCE VALUE	M TOL.				



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