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Vishay Dale

# Wirewound, Surface-Mount, Shielded Inductor





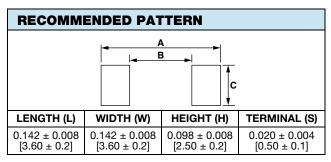




STANDARD ELECTRICAL SPECIFICATIONS								
IND. AT 100 kHz (µH)	TOL.	Q MIN. AT 1 MHz	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(1)</sup>			
1.0	± 20 %	35	344	0.05	1000			
1.5	± 20 %	35	260	0.06	800			
1.8	± 20 %	35	225	0.09	680			
2.7	± 20 %	38	185	0.14	650			
3.9	± 20 %	38	175	0.26	650			
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

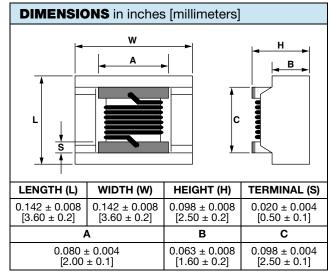
- High reliability and easy surface mount assembly
- Wide range of inductance values available
- Tape and reel packaging for automatic handling, 750/reel, EIA-481
- Material categorization: for definitions of compliance please see <a href="https://www.vishav.com/doc?99912">www.vishav.com/doc?99912</a>

#### **ELECTRICAL SPECIFICATIONS**

Inductance Range: 1  $\mu$ H to 1000  $\mu$ 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

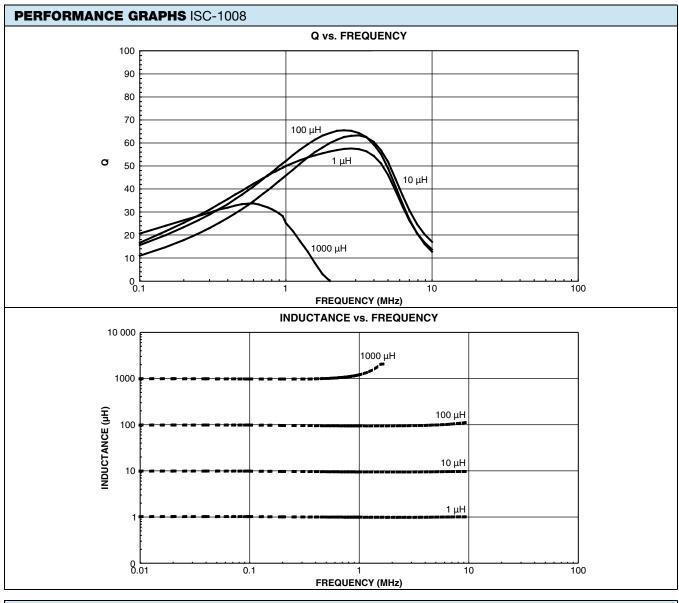


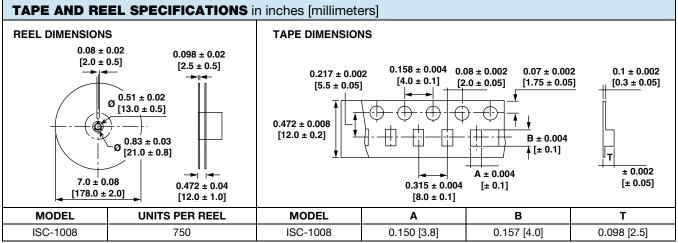
DESCRIPTION									
ISC-1008	10 μH	± 20 %	ER	e3					
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD					

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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