Vishay Dale



COMPLIANT

Thin Film Chip Inductors





STANDARD ELECTRICAL SPECIFICATIONS							
L 500		Q TYPICAL			SRF	DCR	RATED DC
MHz (nH)	L TOL.	100 MHz	800 MHz	1700 MHz	TYP. (MHz)	MAX. (Ω)	CURRENT (mA)
1.0	0.3 nH	7	21	33	12 000	0.15	700
1.2	0.3 nH	7	21	33	12 000	0.15	700
1.5	0.3 nH	7	21	33	10 000	0.25	700
1.8	0.3 nH	7	21	33	10 000	0.25	560
2.2	0.3 nH	7	21	33	8000	0.35	440
2.7	0.3 nH	7	21	33	8000	0.35	440
3.3	0.3 nH	7	21	28	6000	0.45	380
3.9	0.3 nH	7	21	28	6000	0.55	340
4.7	0.3 nH	7	21	28	6000	0.65	320
5.6	0.3 nH	7	21	28	6000	0.85	280
6.8	0.3 nH	7	21	28	6000	1.05	260
8.2	0.3 nH	7	21	28	5500	1.25	220
10	2 %, 5 %	7	21	26	4500	1.35	200
12	2 %, 5 %	5	21	26	3700	1.55	180
15	2 %, 5 %	5	21	26	3300	1.75	130
18	2 %, 5 %	5	21	21	3100	2.15	100
22	2 %, 5 %	5	21	19	2800	2.65	90

Note

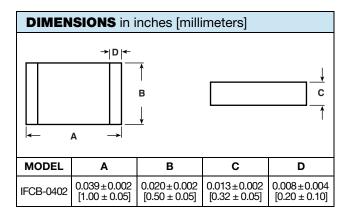
· Test equipment: HP-4287 and Agilent 16196B

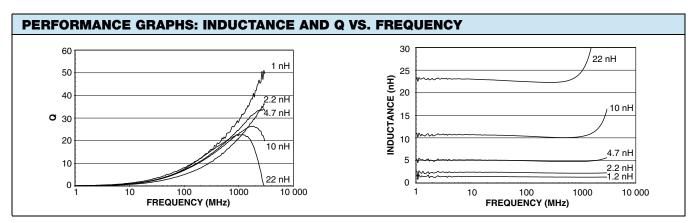
FEATURES

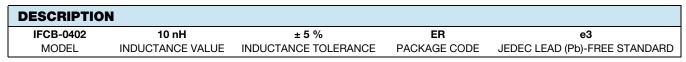
- Tight tolerance
- Self-resonant frequency controlled within 10 %
- Stable inductance over high frequencies
- · Compatible with reflow or flow soldering
- Temperature range: 40 °C to + 125 °C (no load)
 40 °C to + 85 °C (full rated current)
- Compliant to RoHS directive 2002/95/EC

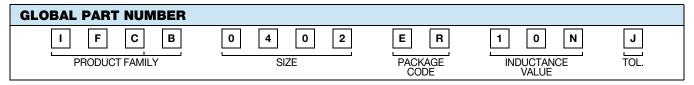
APPLICATIONS

- Cellular telephone, pagers and GPS products
- Wireless LAN and other communication appliances
- VCO, TCXO circuit and RF transceiver module









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