

Vishay Dale

High Current, Surface Mount Inductor



FEATURES

- High energy storage
- Low resistance



• 100 % lead (Pb)-free and RoHS compliant



ROHS

ELECTRICAL SPECIFICATIONS

Inductance Range: 10.0 μH to 560 μH

Inductance Tolerance: 20 %

Operating Temperature: - 25 °C to + 105 °C Storage Temperature: - 40 °C to 125 °C

Resistance to Solder Heat: 260 °C for 10 seconds

MATERIALS

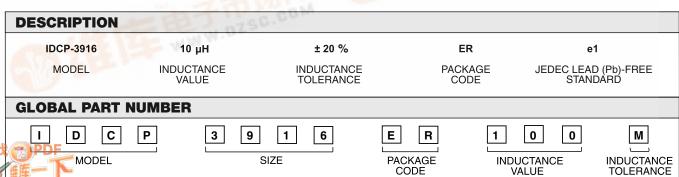
Core: Ferrite

Wire: Enamelled copper wire Terminal: Ni + Sn/Ag/Cu

STANDARD ELECTRICAL SPECIFICATIONS				
INDUCTANCE (µH)	TEST FREQUENCY L	DCR MAXIMUM (Ohms)	RATED DC CURRENT* (A)	
10.0 12.0 15.0 18.0 22.0 27.0 33.0 39.0 47.0 56.0 68.0 82.0 100.0 120.0 150.0 180.0 220.0 270.0 330.0 390.0 470.0 560.0	2.52 MHz 1 kHz	0.05 0.06 0.07 0.08 0.09 0.10 0.12 0.15 0.17 0.20 0.22 0.25 0.34 0.40 0.54 0.62 0.72 0.95 1.10 1.24 1.53 1.90	2.38 2.13 1.87 1.73 1.60 1.44 1.26 1.20 1.10 1.01 0.91 0.85 0.74 0.69 0.61 0.56 0.53 0.45 0.42 0.38 0.35 0.32	

*Rated Current: Value obtained when current flows and the temperature has risen 40 °C or when DC current flows and the initial value of inductance has fallen by 10 %, whichever is smaller.

DIMENSIONS	in inches [millime	ters]
		В ↓
E		c COM
E↓	TYPICAL PAD LAYOUT	
Α	В	C
0.394 ± 0.01 [10.0 ± 0.3]	0.158 ± 0.02 [4.0 ± 0.5]	0.355 ± 0.01 [9.0 ± 0.3]
D	ME	F
0.374 [9.5]	0.148 [3.75]	0.099 [2.5]





Vishay

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