Vishay Dale



RoHS

COMPLIANT

# **High Current, Surface Mount Inductor**



### **ELECTRICAL SPECIFICATIONS**

Inductance Range: 10.0  $\mu$ H to 820  $\mu$ H 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

STANDARD ELECTRICAL SPECIFICATIONS			
INDUCTANCE (µH)	TEST FREQUENCY L	DCR MAXIMUM (Ohms)	RATED DC CURRENT* (A)
$\begin{array}{c} 10.0\\ 12.0\\ 15.0\\ 18.0\\ 22.0\\ 27.0\\ 33.0\\ 39.0\\ 47.0\\ 56.0\\ 68.0\\ 82.0\\ 100.0\\ 120.0\\ 150.0\\ 180.0\\ 220.0\\ 150.0\\ 330.0\\ 390.0\\ 470.0\\ 560.0\\ 680.0\\ 820.0\\ \end{array}$	2.52 MHz 2.25 MHz 1 kHz 1 kHz	$\begin{array}{c} 0.06\\ 0.07\\ 0.08\\ 0.09\\ 0.10\\ 0.11\\ 0.12\\ 0.14\\ 0.17\\ 0.19\\ 0.22\\ 0.25\\ 0.35\\ 0.40\\ 0.47\\ 0.63\\ 0.73\\ 0.97\\ 1.15\\ 1.30\\ 1.48\\ 1.90\\ 2.25\\ 2.55\\ \end{array}$	$\begin{array}{c} 2.60\\ 2.45\\ 2.27\\ 2.15\\ 1.95\\ 1.76\\ 1.50\\ 1.37\\ 1.28\\ 1.17\\ 1.11\\ 1.00\\ 0.97\\ 0.89\\ 0.78\\ 0.72\\ 0.66\\ 0.57\\ 0.52\\ 0.48\\ 0.42\\ 0.33\\ 0.28\\ 0.24 \end{array}$

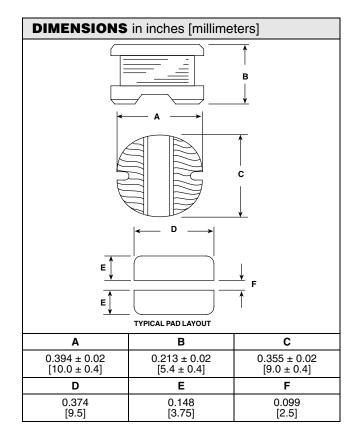
\*Rated Current: Value obtained when current flows and the temperature has risen 40 °C or when DC current flows and theinitial value of inductance has fallen by 10 %, whichever is smaller.

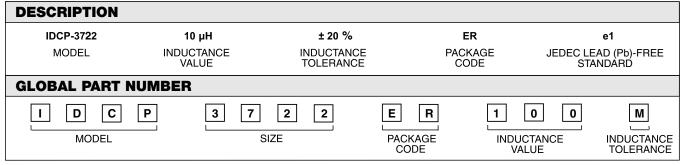
## FEATURES

- High energy storage
- Low resistance
- Tape and reel packaging for automatic handling
- 100 % lead (Pb)-free and RoHS compliant

### MATERIALS

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







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# Disclaimer

All product specifications and data are subject to change without notice.

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