

IDCP-2218

Vishay Dale

RoHS

COMPLIANT

High Current, Surface Mount Inductor



ELECTRICAL SPECIFICATIONS

Inductance Range: $10 \ \mu$ H to $220 \ \mu$ H Inductance Tolerance: $20 \ \%$ Operating Temperature: $-25 \ ^{\circ}$ C to $+105 \ ^{\circ}$ C Storage Temperature: $-40 \ ^{\circ}$ C to $+125 \ ^{\circ}$ C Resistance to Solder Heat: $260 \ ^{\circ}$ C for $10 \ seconds$

STANDARD ELECTRICAL SPECIFICATIONS			
INDUCTANCE (µH)	TEST FREQUENCY L	DCR MAXIMUM (Ohms)	RATED DC CURRENT* (A)
10.0	2.52 MHz	0.10	1.44
12.0	2.52 MHz	0.12	1.40
15.0	2.52 MHz	0.14	1.30
18.0	2.52 MHz	0.15	1.23
22.0	2.52 MHz	0.18	1.11
27.0	2.52 MHz	0.20	0.97
33.0	2.52 MHz	0.23	0.88
39.0	2.52 MHz	0.32	0.80
47.0	2.52 MHz	0.37	0.72
56.0	2.52 MHz	0.42	0.68
68.0	2.52 MHz	0.46	0.61
82.0	2.52 MHz	0.60	0.58
100.0	1 KHz	0.70	0.52
120.0	1 KHz	0.93	0.48
150.0	1 KHz	1.10	0.40
180.0	1 KHz	1.38	0.38
220.0	1 KHz	1.57	0.35

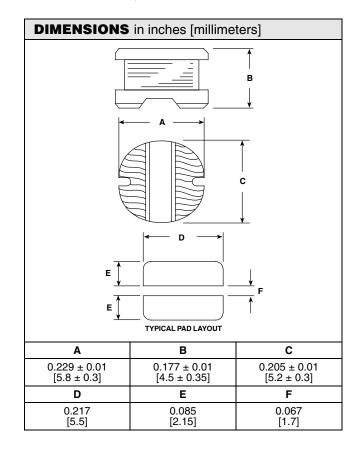
*Rated Current: Value obtained when current flows and the temperature has risen 40 °C or when DC current flows and the initial value of inductance has fallen by 10 %, whichever is smaller.

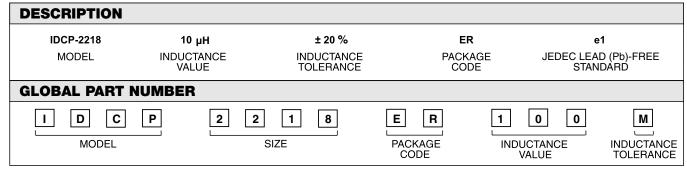
FEATURES

- 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







Vishay

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