

High Current, Surface Mount Inductor



STANDARD ELECTRICAL SPECIFICATIONS				
IND. at 1 kHz (µH)	DCR MAX. (Ohms)	RATED CURRENT (Max. Amps)	INCREMENTAL CURRENT (Amps Approx.)	
1.0 1.2 1.8 2.27 3.39 4.56 6.8 8.00 12.00 33.00 476.00 120.00 120.00 150.00 1200.00 12	0.0112 0.012 0.013 0.014 0.0017 0.023 0.025 0.0336 0.043 0.0544 0.095 0.1184 0.1846 0.18369 0.1819 1.288 2.468 3.152 2.468 3.158 2.468 3.462 3.4	9.886.5.4.2.1.3.7.66.5.5.5.4.4.2.3.3.3.2.2.2.2.1.1.7.5.4.3.1.5.5.8.8.8.8.8.7.66.5.5.5.8.4.4.3.3.3.2.2.2.2.1.1.7.5.4.3.1.5.6.8.9.0.0.6.3.3.3.2.2.2.2.2.1.1.1.1.1.1.1.1.1.1.1.1	5.3 4.8 4.0 3.6.2 2.6.4 2.1.9 1.7 1.5.4 1.3.2 1.993 0.882 0.762 0.614 0.331 0.263 0.219 0.115 0.197 0.135 0.111 0.098 0.07725 0.07725 0.0625 0.0625 0.055	

FEATURES

- Flame retardant encapsulant (UL 94V-0)
- · Completely encapsulated winding provides superior environmental protection and moisture resistance



- · High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible
- Tape and reel packaging for automatic handling

APPLICATIONS

Excellent power line noise filters, filters for switching regulated power supplies, DC/DC converters, SCR and Triac controls and RFI suppression.

ELECTRICAL SPECIFICATIONS

Inductance: Measured at 1 volt with no DC current

Inductance Tolerance: ± 15 %

Incremental Current: The typical current at which the inductance will be decreased by 5 % from its initial zero DC value

Operating Temperature: - 55 °C to + 125 °C (no load);

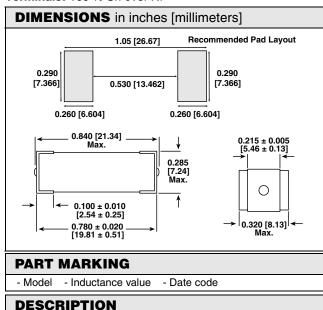
- 55 °C to + 85 °C (at full rated current)

MATERIAL SPECIFICATIONS

Core: High resistivity ferrite core

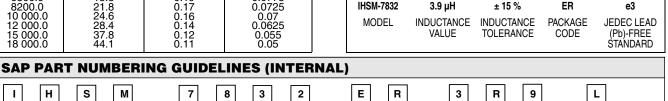
Encapsulant: Epoxy

Terminals: 100 % Sn over Ni



INDUCTANCE

VALUE



IHSM-7832

PACKAGE

CODE

PRODUCT FAMILY

SIZE

TOI



Vishay

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

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