



SURFACE-MOUNT POWER INDUCTORS

For Commercial Applications



Industry-Leading IHSM Series



KEY BENEFITS

- 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

RESOURCES

- For technical questions contact magnetics@vishay.com

Inductors - IHSM Series

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components



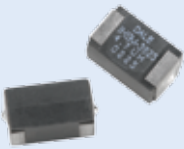


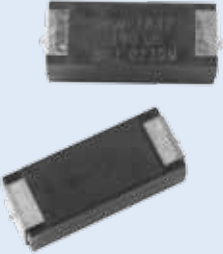


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Inductors - IHSM Series

Product	Inductance Range	DCR Max	Rated Current*	Dimensions in Inches [mm]	Applications
IHSM-3825 	1.0 μ H to 1,000 μ H	0.015 Ω to 12.97 Ω	160 mA to 5,110 mA	L = 0.440 [11.18] W = 0.250 [6.35] H = 0.220 [5.59]	<ul style="list-style-type: none"> • Power line filtering • RFI suppression • DC/DC converters • Flame-retardant encapsulant (UL-94V-0) for environmental protection and moisture-retardant applications
IHSM-4825 	1.0 μ H to 1,000 μ H	0.013 Ω to 6.9 Ω	240 mA to 8,600 mA	L = 0.540 [13.72] W = 0.250 [6.35] H = 0.220 [5.59]	
IHSM-5832 	1.0 μ H to 4,700 μ H	0.01 Ω to 23.1 Ω	140 mA to 9,000 mA	L = 0.640 [16.26] W = 0.320 [8.13] H = 0.280 [7.11]	
IHSM-7832 	1.0 μ H to 18,000 μ H	0.011 Ω to 44.1 Ω	110 mA to 9,000 mA	L = 0.840 [21.34] W = 0.320 [8.13] H = 0.280 [7.11]	

Note: * DC current (A) that will cause an approximate ΔT of 40 $^{\circ}$ C.