

02-387F Series From 1.0 μ H to 4.7 μ H



CHARACTERISTICS

Description: SMD Molded Magnetically Shielded Inductors

Applications: Smartphone, Tablet PC, Hard Disk for Ultrabook, DC/DC Converters, Portable Devices, etc.

Operating Temperature: -40°C to 125°C (including self-temperature rise)

Inductance Tolerance: $\pm 20\%$

Testing: Inductance is tested on an E4991A/HP4287A+16197A, 2MHz, 0.2V.

Packaging: Tape and Reel.

Miscellaneous: **RoHS Compliant.**

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

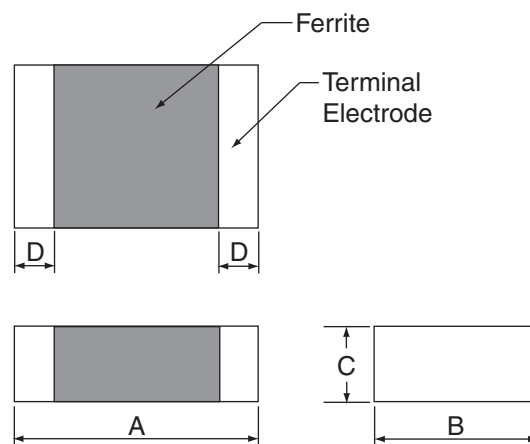
SPECIFICATIONS

Isat: DC current (A) that will cause L to drop approximately 30%.
Irms: DC current (A) that will cause an approximate ΔT of 40°C.

Part Number	Inductance (μ H)	L Test Freq. (MHz)	DCR Max.(Typ.) (m Ω)	Isat Max.(Typ.) (A)	Irms Max.(Typ.) (A)
02-387F-1R0M	1.0	2.0	34(28)	6.0(8.0)	3.5(4.3)
02-387F-1R5M	1.5	2.0	45(35)	5.5(7.5)	3.2(3.9)
02-387F-2R2M	2.2	2.0	60(49)	4.8(6.5)	3.0(3.3)
02-387F-3R3M	3.3	2.0	83(72)	4.1(5.0)	2.4(2.8)
02-387F-4R7M	4.7	2.0	100(86)	3.3(4.0)	2.2(2.6)

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	3.2 $\pm$ 0.3	2.5 $\pm$ 0.3	2.5 $\pm$ 0.3	0.5 $\pm$ 0.3
inches	0.126 $\pm$ 0.012	0.098 $\pm$ 0.012	0.098 $\pm$ 0.012	0.020 $\pm$ 0.012



PAD LAYOUT

Unit: mm

