

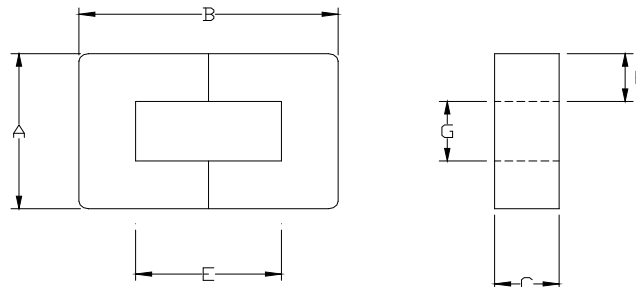


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Data Sheet  
 Part Number U350-40

Description: Iron Powder U-Core, No color stripes

Dimensions: Inches (millimeters)



A	B	C	E	F	G
3.520/3.480	5.770/5.730	1.015/0.985	3.270/3.230	1.015/0.985	1.530/1.470
(89.4/88.4)	(146.6/145.5)	(25.8/25.0)	(83.1/82.0)	(25.8/25.0)	(38.9/37.3)

Magnetic Dimensions:

Magnetic Path Length:	35.6 cm
Cross Sectional Area:	6.45 cm <sup>2</sup>
Volume:	250 cm <sup>3</sup>

Basic Material Characteristics:

Material Type:	Micrometals Mix -40
Initial Permeability:	60 (reference)
Temperature Stability:	+950 ppm/C° typical

Inductance Index:

235.5nH/N<sup>2</sup> +/- 10% (Note, the inductance is highly dependent on winding type and leakage effects. The AI value is based on the following test winding and conditions.

Test Winding:	19 turns, Foil
Test Instrument:	HP4274A
Test Frequency:	40 kHz
Test Voltage:	.01 volts
Inductance:	85.0uH+-10% (76.5-93.5uH)
Core Loss Characteristics:	127mW/cm <sup>3</sup> nominal at 140 gauss pk, F = 100 kHz

Note: The Thermal Aging properties of Micrometals Mix -40 are unique to Micrometals alone and not our competitors. All other magnetic properties as described in Micrometals Power Conversion Catalog, Issue L, 2'2007. Micrometals Powder Alloy Cores comply with the EU Directives 2002/95/EC and 2003/11/EC. Any possible unintentional RoHS trace elements are less than 100 ppm.