

MICROMETALS

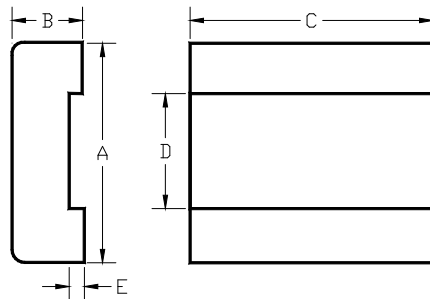
IRON POWDER CORES

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Data Sheet
 Part Number: HS670-26/10

Description: Iron Powder Bus-Bar Core, 1/2 Pair

Finished Dimensions: Inches (millimeters)



A	B	C	D	E
2.022 / 1.992	0.648 / 0.632	0.525 / 0.485	1.030 / 1.020	0.141 / 0.135
(51.36 / 50.60)	(16.46 / 16.05)	(13.34 / 13.32)	(26.16 / 25.91)	(3.58 / 3.43)

Basic Material Characteristics:

Material Type:	Micrometals Mix -26
Initial Permeability:	75 (reference)
Temperature Stability:	+825 ppm/C° typical
Color Code:	None
Finish:	None

Inductance Index:

168 nH/N² +/-10% (For a pair of cores with 25T winding)

Test Winding:	25 turns, AWG-26 wound on 1/2 core
Test Instrument:	HP4274A
Test Frequency:	10 kHz
Test Voltage:	0.180 volts (Bpk = 10 gauss)
Inductance:	115.5µH / 94.5µH

Core Loss Characteristics:

83mW/cm³ nominal at 140 gauss pk, F = 100 kHz

Note: The Thermal Aging Properties of Micrometals Mix -26 are unique to Micrometals alone and not our competitors. All other magnetic properties as described in Micrometals PC Catalog, Issue L, February, 2007. Micrometals Iron Powder Cores comply with the EU Directives 2002/95/EC and 2003/11/EC. Any possible unintentional RoHS trace elements are less than 100 ppm.