

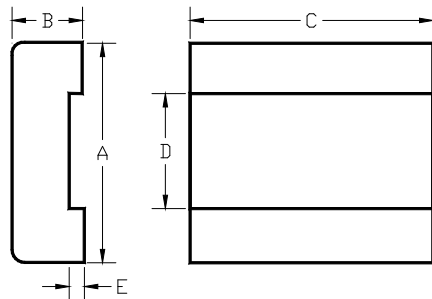
MICROMETALS
IRON POWDER CORES

TEL (714) 970-9400
 USA (800) 356-5977
 FAX (714) 970-0400

Data Sheet
 Part Number: HS300-52C

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

Finished Dimensions: Inches (millimeters) – includes coating



<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>
1.035/1.005	0.335/0.315	0.895/0.855	0.525/0.515	0.073/0.067
(26.29/25.52)	(8.51/8.00)	(22.73/21.72)	(13.34/13.08)	(1.86/1.70)

Basic Material Characteristics:

Material Type:	Micrometals Mix -52
Initial Permeability:	75 (reference)
Temperature Stability:	+650 ppm/C° typical
Color Code:	Green (outer surface only)
Finish:	Per UL Card File #E140098 (S)

Inductance Index:

	232nH/N ² +/-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:	0.160 volts (Bpk = 10 gauss)
Inductance:	160µH / 130µH

Core Loss Characteristics:

58mW/cm³ nominal at 140 gauss pk, F = 100 kHz

Note: The Thermal Aging Properties of Micrometals Mix -52 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.