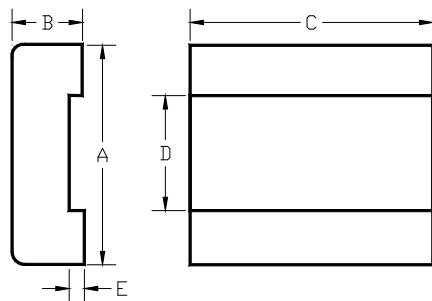




TEL (714) 970-9400  
 USA (800) 356-5977  
 FAX (714) 970-0400

Data Sheet  
 Part Number: HS400-52C  
 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>
1.515/1.485	0.490/0.470	1.520/1.480	0.770/0.760	0.105/0.100
(38.48/37.72)	(12.45/11.94)	(38.61/45.72)	(19.56/19.30)	(2.667/2.540)

Basic Material Characteristics:

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

Inductance Index:

371nH/N<sup>2</sup> +/-10% (For a pair of cores with 25T winding)

Test Winding: 25 turns, AWG-24 wound on 1/2 core  
 Test Instrument: HP4274A  
 Test Frequency: 10 kHz  
 Test Voltage: 0.4 volts (Bpk = 10 gauss)  
 Inductance: 255.1µH /208.7µH

Core Loss Characteristics:

58mW/cm<sup>3</sup> 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.