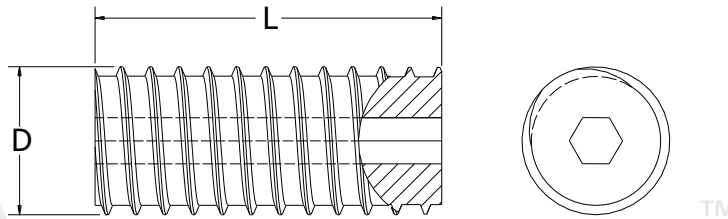




DATA SHEET

Part Number: TH412-0142  
 Description: Iron Powder Threaded Core



Dimensions:	in.		mm.	
Diameter:	0.247 +/- 0.001 ( 0.248 / 0.246 )	6.27 +/- 0.03 (6.30 / 6.25)		
Length:	0.750 +/- 0.010 ( 0.760 / 0.740 )	19.05 +/- 0.25 (19.30 / 18.80)		

Drive: Hex  
 Thread: #1/4-28 - Shallow per MPIF Standard

Material Characteristics:  
 Material Type: Micrometals Mix-42  
 $\mu_i$ (reference) 40 (reference)  
 Temperature Stability +550ppm/K typical  
 Frequency Range 0.03 - 0.80 MHz

Finish: None

Note: Core surface will rust if exposed to high humidity and rain or not handled with cotton gloves. The Thermal Aging properties of Micrometals Mix -42 are unique to Micrometals alone and not our competitors. Other material properties as described in 2019 Iron Powder Product Catalog. Micrometals Iron Powder Cores comply with the EU Directives 2002/95/EC and 2003/11/EC. Any possible unintentional RoHS trace elements present are less than 100 ppm.