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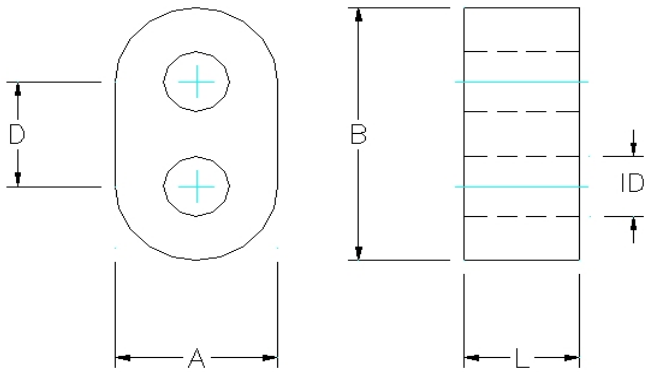
DATA SHEET

Part Number: BLN814-10A/94
Description: RF Iron Powder Balun Core



Dimensions:

	A	B	L	ID	D
inch	0.081 ± 0.005	0.138 ± 0.010	0.070 ± 0.010	0.031 ± 0.004	0.057 ± 0.005
(mm)	(2.06 ± 0.127)	(3.51 ± 0.254)	(1.78 ± 0.254)	(0.79 ± 0.102)	(1.45 ± 0.127)

Material Characteristics:

Material Type:	Micrometals Mix-10
Initial Permeability:	6 (reference)
Temperature Stability:	+150 ppm/C typical

Al Value:		4.35 nH/N² ± 10%
Test Winding:		5 turns (10 passes, hole to hole), AWG-40
Inductance:	(HP4277A, 1MHz)	0.109 uH ± 10% (0.098 uH min/ 0.120 uH max)
Q Factor, min:	(HP4342A, 55MHz)	60

Coating: 0.0005" Parylene C, Clear

Note: The Thermal Aging characteristics of Micrometals Mix-10 are unique to Micrometals alone and not our competitors. All other magnetic properties as described in Micrometals 2019 Iron Powder Products 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.