

PPT BP40 NiZn Ferrite Powder

Category : Ceramic , Oxide

Material Notes:

Uses: EMI Suppressors, Wave Absorbing Tiles, Impeders, Multi-Hole Connectors, Inductors, Transformers, Converters, Choke Coils, Antennas
Electromagnetic characteristics were tested on toroid with a HP4294A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PPT-BP40-NiZn-Ferrite-Powder.php

Physical Properties	Metric	English	Comments
Bulk Density	1.50 g/cc	0.0542 lb/in ³	typical
Particle Size	120 µm	120 µm	median granule size

Thermal Properties	Metric	English	Comments
Shrinkage	10.5 %	10.5 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1e+7 ohm-cm	1e+7 ohm-cm	
Magnetic Coercive Force, Hc	4.2 Oe	4.2 Oe	
Magnetic Remanence, Br	800 Gauss	800 Gauss	
Curie Temperature	450 °C	842 °F	

Processing Properties	Metric	English	Comments
Moisture Content	0.30 %	0.30 %	
Sintering Temperature	1250 °C @Time 10800 sec	2280 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
Flux Density Bs	2600 Gauss	Field Strength = 40 Oe
Initial Permeability, µi	40	
Q Factor (w/ 10 turns)	250	10 MHz

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