

PPT LSF50 Low Sintering Temperature Ferrite Powder

Category : Ceramic , Oxide

Material Notes:

Uses: Low Temperature Co-fired Ceramic Components (LTCC), Multi-Layer Chip Inductors (MLCI), Chip Beads (EMI Suppressors) Electromagnetic properties reported were tested on sintered toroids with a HP4294A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PPT-LSF50-Low-Sintering-Temperature-Ferrite-Powder.php

Physical Properties	Metric	English	Comments
Bulk Density	3.20 g/cc	0.116 lb/in ³	pressed
Density	5.20 g/cc	0.188 lb/in ³	Sintered
Particle Size	0.5 μm	0.5 μm	mean
Specific Surface Area	5.5 m ² /g	5.5 m ² /g	

Thermal Properties	Metric	English	Comments
Shrinkage	15.5 %	15.5 %	

Electrical Properties	Metric	English	Comments
Curie Temperature	350 °C	662 °F	

Processing Properties	Metric	English	Comments
Moisture Content	0.30 %	0.30 %	
Sintering Temperature	900 °C @Time 7200 sec	1650 °F @Time 2.00 hour	

Descriptive Properties	Value	Comments
Initial Permeability, μi	60	
Q Factor (w/ 10 turns)	150	
Test Frequency	5 MHz	

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