

PPT LSF25 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-LSF25-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 | >= 400 °C | >= 752 °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 | 25 | |
| Q Factor (w/ 10 turns) | 200 | |
| Test Frequency | 50 MHz | |

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