

Technical Data Sheet

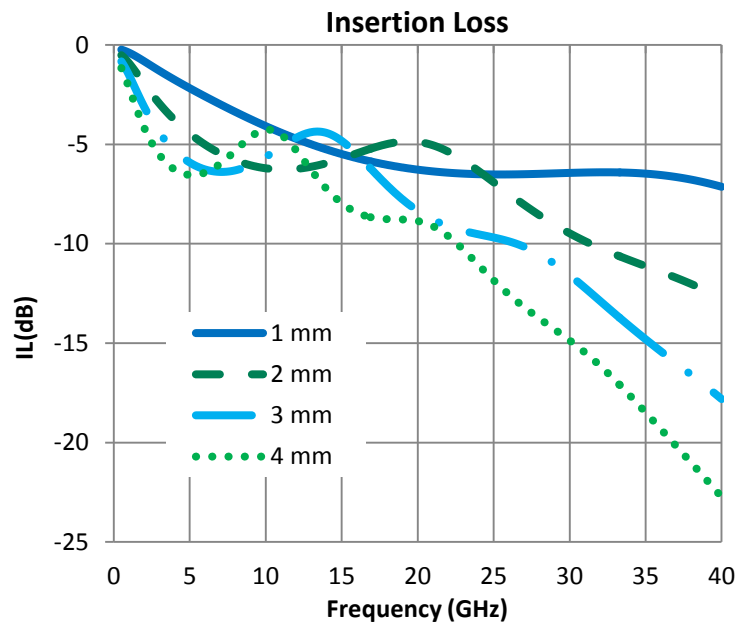
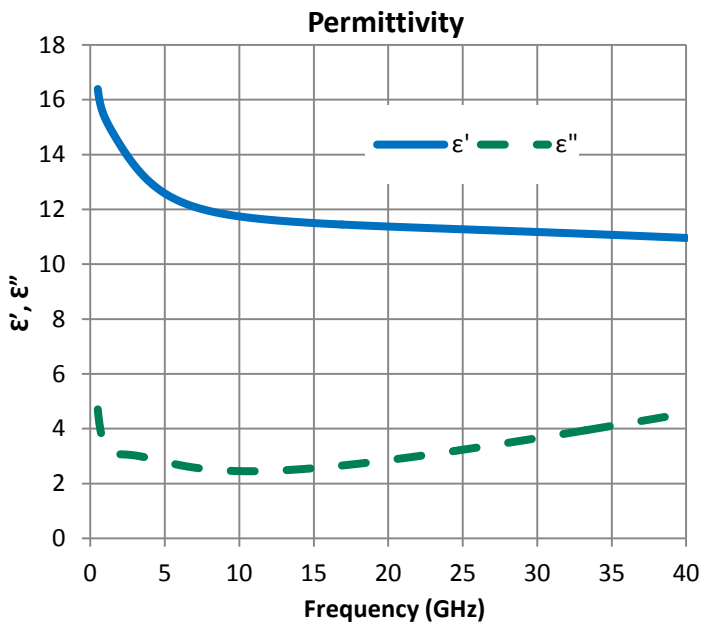
LC1000



Description

- Dielectric absorber based on a Liquid Crystal Polymer (LCP) thermoplastic.
- Can be injection molded into custom shapes, provides good high temperature performance and has the ability to flow into thin-walled parts.
- Typical applications include electrical connectors, housings, and circuit covers.
- Ideal for applications in the 10+ GHz range, but can be tailored to specific requirements.
- Halogen free, RoHS and REACH compliant.
- Flammability rating is UL-94 V0.

| Properties | Test Method | Value |
|------------------------------|-------------|-------------|
| Durometer | ASTM D2240 | 84 Shore D |
| Tensile Strength | ASTM D638 | 18,800 psi |
| Tensile Modulus | ASTM D638 | 450,000 psi |
| Elongation | ASTM D638 | 6% |
| Flexural Strength at Failure | ASTM D790 | 265,000 psi |
| Flexural Modulus | ASTM D790 | 887,000 psi |
| Surface Resistivity | ASTM D257 | >11 GΩ/□ |
| Color | | Black |



Note: the information provided above is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application.