

TECHNICAL DATA SHEET RT/Duroid®

RT/duroid® 6002, 6202, 6006, 6010 PTFE/Ceramic Laminates from Rogers

Rogers RT/duroid® high frequency laminates in the 6002 and 6202 product lines are suited for high reliability, high frequency applications which require very low loss and low dielectric constant with tight tolerance control. These materials offer a low thermal coefficient of dielectric constant, and a CTE matched with copper. RT/duroid 6202 features limited woven glass reinforcement, adding rigidity and enhancing dimensional stability.

RT/duroid 6202PR (the PR stands for “planar resistor”) offers the same superior electrical and mechanical properties, in addition to enabling tight tolerance planar resistors when clad with resistive copper foils.

Features of RT/duroid 6002 and 6202

- Low loss for excellent high frequency performance
- Tight dielectric constant and thickness control
- Excellent electrical and mechanical properties
- Extremely low thermal coefficient of dielectric constant
- In-plane expansion coefficient matched to copper
- Low Z-axis expansion
- Low outgassing: ideal for space applications
- RoHS compliant, environment friendly

RT/duroid 6006 and 6010LM have high dielectric constants and provide an option for designers to reduce circuit board size.

Features of RT/duroid 5005 and 6010LM

- High dielectric constant for circuit size reduction
- Low loss. Ideal for operating at X-band or below.
- Low Z-axis expansion for RT/duroid 6010LM - provides reliable plated through holes in multilayer boards
- Low moisture absorption (RT/duroid 6010LM).
- Reduces effect of moisture on electrical loss
- Tight dielectric constant and thickness control for repeatable circuit performance.
- RoHS compliant, environment friendly

*Please contact us for manufacturer’s technical data

*RT/Duroid is a trademark of Rogers Corporation

SHAPE AVAILABLE

