

IPC-4101 /134 UL - File Number E41625

TerraGreen® 400G2 laminate materials are our most advanced ultra-high speed, halogen free ultra-low loss design solution.

PRODUCT FEATURES

Industry Recognition

- UL File Number: E41625
- RoHS Compliant

Performance Attributes

- CAF resistant
- Halogen free
- 0.8 mm pitch capable

Processing Advantages

- FR-4 process compatible
- Excellent Fill and Flow
- Multiple lamination cycles
- HDI technology compatible

PRODUCT AVAILABILITY

Standard Material Offering: Laminate

- 2 to 18 mil (0.05 to 0.46 mm)

Copper Foil Type

- HVLP3 (VLP1) ≤1.1 micron Rz JIS

Copper Weight

- ½ to 2 oz (18 to 70 µm) available
- Thinner copper foil available

Standard Material Offering: Prepreg

- Tooling of prepreg panels

Glass Fabric Availability

- Very Low Dk glass

TerraGreen® 400G2 is our Halogen Free material solution for next generation 5G infrastructure, data center systems, high end computing, wired & wireless communications and AI applications. Our novel resin system, ultra smooth HVLP3(VLP1) copper foil and Low Dk glass has been engineered for very high data rates of >100 Gb/s with excellent cost for loss performance.

The TerraGreen® 400G2 resin system has proven superior CAF performance on tight pitch testing. CAF performance is enhanced by the resin systems excellent interlaminar and bond line adhesion strength.

TerraGreen® 400G2 is lead free compatible and sequential lamination capable and can be processed utilizing standard PCB equipment and processing steps. TerraGreen® 400G2 meets UL94 V-0.

PRODUCT ATTRIBUTES



TYPICAL MARKET APPLICATIONS



ORDERING INFORMATION:

Contact your local sales representative or contact info@isola-group.com for further information.

Isola Group

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Typical Values Table

| Property | Typical Value | Units | Test Method |
|----------|---------------|------------------|--------------------------|
| | | Metric (English) | IPC-TM-650 (or as noted) |

NOTES

Notes:
All data is preliminary and subject to change
*** Data was developed using 55% RC rigid laminate**
Revisions:
A: Preliminary Release

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