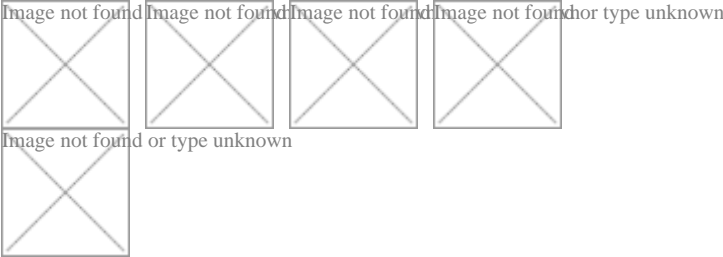


I-Tera[®] MT40

Very Low-Loss Laminate Material

Isola Logo



3.45

Dk

0.0031

Df

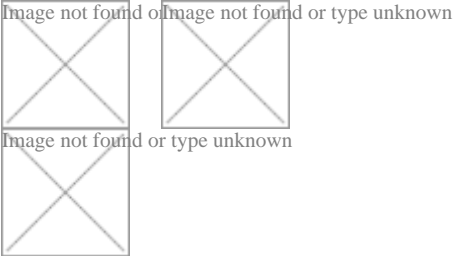
360°C

Td

200°C

Tg

High Thermal Reliability • High Speed Digital • High Density Interconnect



I-Tera[®] MT40 - General Properties

Property		Typical Value	Units Metric (English)	Test Method IPC-TM-650 (or as noted)
Time to Delaminate by TMA (Copper removed)	A. T260 B. T288	>60	Minutes	2.4.24.1

Property		Typical Value	Units Metric (English)	Test Method IPC-TM-650 (or as noted)
Z-Axis CTE	A. Pre-Tg	55	ppm/°C	2.4.24C
	B. Post-Tg	290	ppm/°C	
	C. 50 to 260°C, (Total	2.8	%	
	Expansion)			
Thermal Conductivity		0.61	W/mK	ASTM E1952
Peel Strength	1 oz. EDC foil	1.0 (5.7)	N/mm (lb/inch)	2.4.8C

The data, while believed to be accurate and based on analytical methods considered to be reliable, is for information purposes only. Any sales of these products will be governed by the terms and conditions of the agreement under which they are sold.

Product features

Industry Recognition

- - UL File Number: E41625
- - RoHS Compliant

Performance Attributes

- - CAF resistant
- - Lead-free assembly compatible

Processing Advantages

- - FR-4 process compatible

Product availability

Standard Material Offering: Laminate

- - 2 to 18 mil (0.05 to 0.46 mm)
- - 10, 20, 30, 60 mil (0.25, 0.51, 0.76, 1.5 mm)
- - Available in full size sheet or panel form

Copper Foil Type

- - HTE Grade 3
- - VLP-2 (2 micron), 1 oz and below
- - RTF (Reverse Treat Foil)

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