

EM-888(S) / EM-888B(S)

High Tg / Low Loss / Halogen Free

- Applications include: high-speed server, network and telecom.
- Designed for excellent CAF resistance.
- RoHS Compliant
- UL File: E150504
- Applicable IPC Slash Sheets: IPC-4101 /127, /128, /130; IPC-4103 /240, /540

Basic Laminate Property

Property	Item	Typical Value	Unit	Test Condition	IPC-TM-650	
Thermal	Tg	N/A	°C	DSC	2.4.25	
		170	°C	TMA	2.4.24	
		210	°C	DMA	2.4.24.4	
	CTE, X/Y-axis	12/15	ppm/°C	< Tg, TMA	2.4.24.5	
	CTE, Z-axis	40~45	ppm/°C	< Tg, TMA	2.4.24	
		220~240	ppm/°C	> Tg, TMA		
	Z-axis Expansion	2.4	%	50~260 °C	2.4.24	
	Td	390	°C	TGA (5% W.L)	2.4.24.6	
	T288	>60	min.	Clad	2.4.24.1	
Thermal Conductivity	0.50	W/m.K	-	ASTM D5470		
Electrical	Dk (R/C: 50%)	1 GHz	3.8	-	C-24/23/50	2.5.5.9
		10 GHz	3.7			Cavity Resonator
	Df (R/C: 50%)	1 GHz	0.0055	-	C-24/23/50	2.5.5.9
		10 GHz	0.0073			Cavity Resonator
	Volume Resistivity	>10 ¹⁰	MΩ-cm	C-96/35/90	2.5.17.1	
	Surface Resistivity	>10 ⁹	MΩ	C-96/35/90	2.5.17.1	
Physical	Water Absorption	0.1	%	E-1/105+D-24/23	2.6.2.1	
	Peel Strength	HTE, H oz	6.3	lb/in	As Received	2.4.8
		VLP, H oz	4.8	lb/in	As Received	2.4.8
	Flexural Strength	Warp	510~570	MPa	As Received	2.4.4
		Fill	450~500			
Flame Resistance	V-0	-	A & E-24/125	UL-94		

Above typical values are tested under specified constructions and not intended for specification.