

S1141KF

(ANSI:FR-4) CAF Resistance/UV Blocking

特点

- 优良的耐CAF性能。
- UV Blocking 和 AOI兼容。
- 优良的耐热性, T260>60分钟, Td>350°C
- 优良尺寸稳定性, 较低的吸水率。
- Tg 140°C

FEATURES

- Excellent CAF resistance.
- UV Blocking and AOI compatible.
- Good soldering reliability ,T260>60min,Td>350°C.
- Good dimensional stability, lower water absorption.
- Tg 140°C.

应用领域

电脑、仪器仪表、摄像机、通讯设备、电子游戏机等。

APPLICATIONS

Computer, Instrumentation, VCR, Communication equipment, Electronic game machine, etc.

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data		
			SPEC	Typical Value	
Tg	DSC	°C	≥ 130	140	
Flammability	C-48/23/50	-	V-0	V-0	
	E-24/125				
Volume Resistivity	After moisture resistance	MΩ-cm	≥ 10 ⁶	8×10 ⁸	
	E-24/125		≥ 10 ³	7×10 ⁷	
Surface Resistivity	After moisture resistance	MΩ	≥ 10 ⁴	7×10 ⁷	
	E-24/125		≥ 10 ³	6×10 ⁷	
Arc Resistance	D-48/50+D-0.5/23	S	≥ 60	121	
Dielectric Breakdown	D-48/50+D-0.5/23	KV	≥ 40	60	
Dielectric Constant (1MHz)	C-24/23/50	-	≤ 5.4	4.7	
Dissipation Factor (1MHz)	C-24/23/50	-	≤ 0.035	0.015	
Thermal Stress	Unetched	288°C, 20s	-	No delamination	
	Etched				
Peel Strength	1oz Cu. Foil	288°C, 10s	N/mm	≥ 1.05	1.6
		125°C		≥ 0.70	1.5
Flexural Strength	LW	A	MPa	≥ 415	612
	CW			≥ 345	505
Water Absorption	D-24/23	%	≤ 0.35	0.10	
CTE Z-axis	Before Tg	TMA	μm/m°C	-	56
	After Tg	TMA	μm/m°C	-	256

Specimen Thickness: 1.6mm

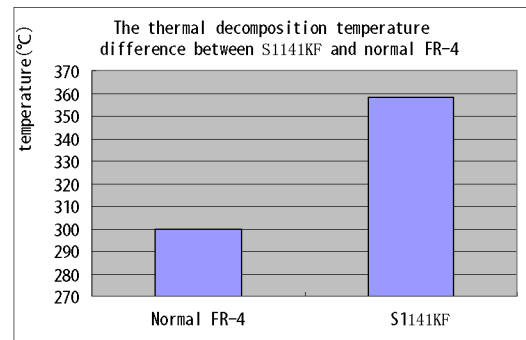
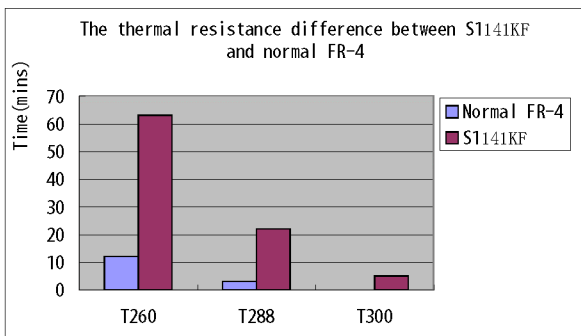
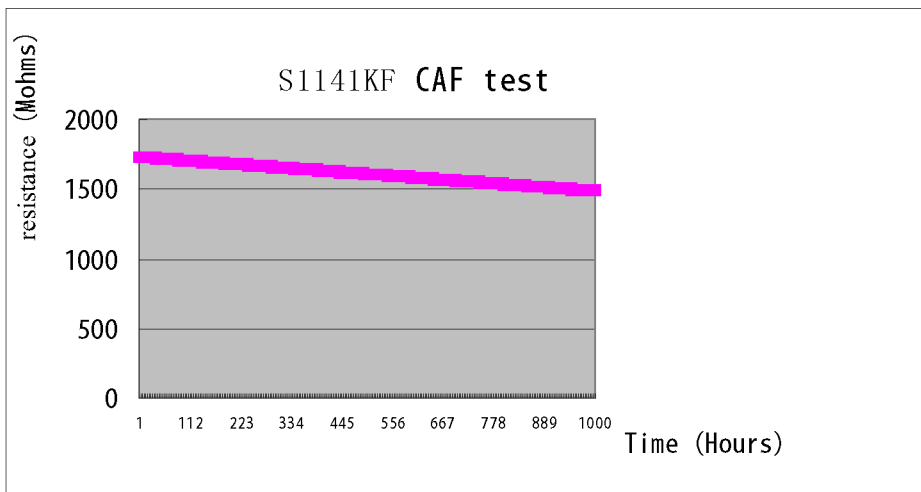
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

The figures following the letter symbols indicate with the first digit the duration of the preconditioning in hours, with the second digit the preconditioning temperature in °C and with the third digit the relative humidity.

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Chart of S1141KF



PURCHASING INFORMATION

Thickness	Copper foil	Standard Size	
0.05mm to 3.2mm	12 μ m	1,020×1,220mm (40"× 48")	915×1,220mm (36"× 48")
	to 105 μ m	1,070×1,220mm (42"× 48")	

* Other sheet size and thickness could be available upon request.