

S1130NK

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

特点

- 自然色，UV Blocking与AOI兼容可提高PCB生产效率，较低的吸水率。
- 优秀的耐热性和尺寸稳定性、优良的耐离子迁移性能。
- 优秀的机械性能和电性能。

FEATURES

- Natural color, UV Blocking and AOI compatible, so as to increase productivity. Lower Water absorption.
- Good soldering reliability and dimensional stability. excellent CAF Resistance.
- Excellent mechanical and electrical properties.

应用领域

电脑、仪器仪表、摄像机、电视机、电子游戏机等。

APPLICATIONS

Computer, Instrumentation, VCR, Television, Electronic game machine, etc.

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data	
			SPEC	Typical Value
Tg	DSC	°C	≥ 125	130
Flammability	C-48/23/50	-	V-0	V-0
	E-24/125			
Volume Resistivity	After moisture resistance	MΩ-cm	≥ 10 ⁶	5×10 ⁸
	E-24/125		≥ 10 ³	5×10 ⁷
Surface Resistivity	After moisture resistance	MΩ	≥ 10 ⁴	5×10 ⁷
	E-24/125		≥ 10 ³	5×10 ⁶
Arc Resistance	D-48/50+D-0.5/23	S	≥ 60	122
Dielectric Breakdown	D-48/50+D-0.5/23	KV	≥ 40	60
Dielectric Constant (1MHz)	C-24/23/50	-	≤ 5.4	4.6
Dissipation Factor (1MHz)	C-24/23/50	-	≤ 0.035	0.015
Thermal Stress	Unetched	288°C, 20s	-	No delamination
	Etched			
Peel Strength	1oz	288°C, 10s	N/mm	≥ 1.05
	Cu. Foil			125°C
Flexural Strength	LW	A	MPa	≥ 415
	CW			≥ 345
Water Absorption	D-24/23	%	≤ 0.35	0.10
CTE z-axis	Before Tg	TMA	μm/m°C	56
	After Tg		μm/m°C	272

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.