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H1600A High CTI

特性/ Features

Tg135±5°C (DSC)

优异的耐漏电起痕性, CTI≥600 / Excellent tracking resistance ,CTI ≥600

UV Blocking 与 AOI兼容/UV Blocking and AOI compatible

优良的PCB加工性 / Good PCB processability

应用领域/ Applications

电源基板、电视机、电冰箱、洗衣机等。

Power base board、TV、refrigerator、washing machine and etc.

主要特性 / General properties

检测项目 Item	单位 Unit	检测条件 Test Condition	规范值 Spec	典型值 Typical Value
玻璃化转变温度 Tg	°C	DSC	135±5	135.2
剥离强度 1oz Peel Strength	N/mm	288°C, 10S	≥ 1.40	1.75
热应力 Thermal stress	S	288°C,solder dip	> 10	60 s No delamination
弯曲强度 Flexural Strength	N/mm ²	经向LW	≥415	577
		纬向CW	≥345	470
燃烧性 Flammability	—	E 24/125	UL94V-0	V-0
表面电阻Surface Resistivity	MΩ	After moisture	≥1.0×10 ⁴	5.12×10 ⁷
体积电阻Volume Resistivity	MΩ · cm	After moisture	≥1.0×10 ⁶	5.25×10 ⁸
介电常数 Dielectric Constant	—	1 MHZ C 24/23/50	≤5.4	4.6
介质损耗角正切 Loss Tangent	—	1 MHZ C 24/23/50	≤0.035	0.015
耐电弧 Arc Resistance	S	D48/50+D0.5/23	≥60	120
击穿电压 Dielectric Breakdown	KV	D48/50+D0.5/23	≥40	57
吸水率 Moisture Absorption	%	D24/23	≤0.8	0.15
热分解温度 Td	°C	Weight Loss 5%	—	310
CTE Z-axis	Alpha 1	ppm /°C	TMA	—
	Alpha 2	ppm /°C		—
	50 - 260 °C	%		—
T288	min	TMA	—	1
相比漏电起痕指数 CTI	V	IEC-60112	≥600	600

Specimen Thickness : 1.6mm ;

Explanation: C: Humidity conditioning;

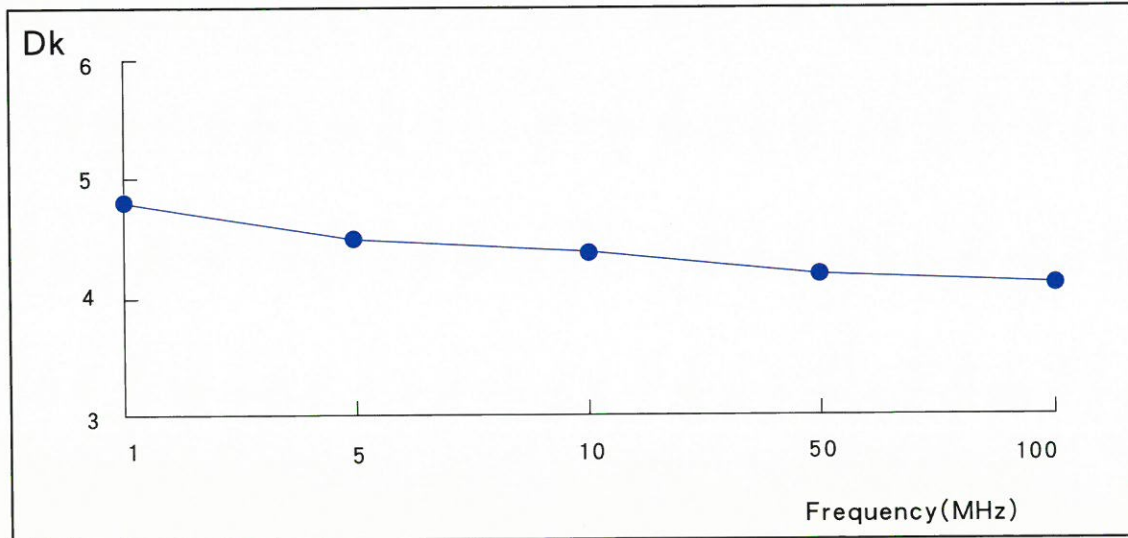
E: Temperature conditioning ;

D: Immersion conditioning in distilled water ;

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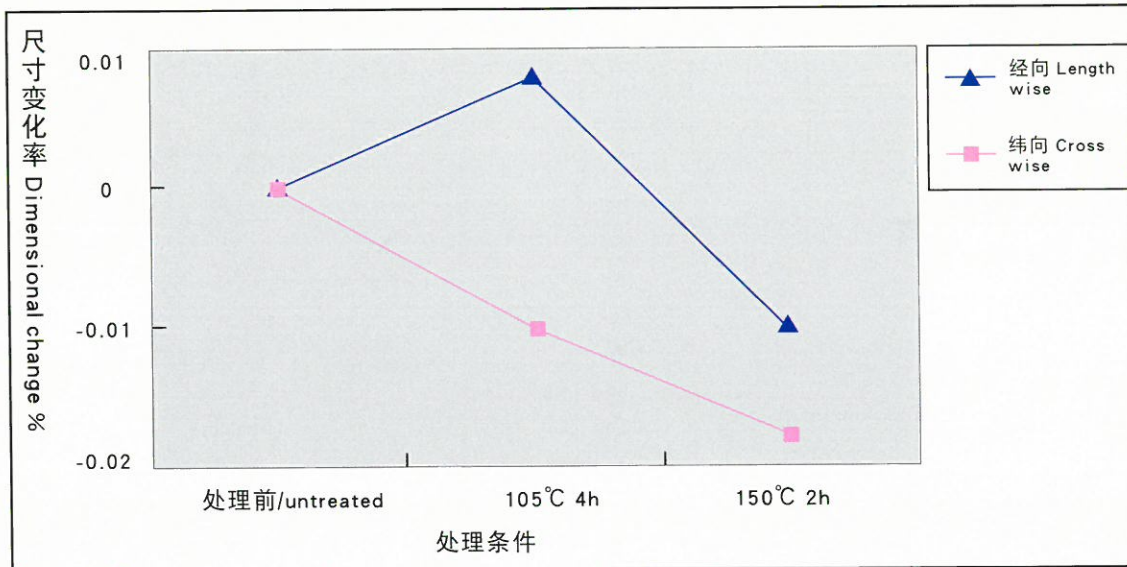
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◆ 介电常数 / Dielectric constant



◆ 热处理后板材经纬向尺寸变化

Dimensional change in cross and length direction after heat treatment



◆ 产品系列 / Purchasing information

厚度 Thickness	铜箔 Copper foil	标准尺寸 Standard size
0.63-3.2mm	12um-105um	37"×49"、41"×49"、43"×49"

※ Other sheet size and thickness could be available upon request