

PTG-50100/PTG-90100 石墨烯均溫片 Graphene

RoHS

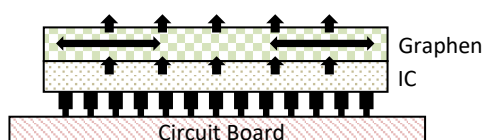


產品特性 Features

Ultra thin; Low mass 超薄; 重量輕

Available for unventilated design 適用於不通風環境

No dusting issue 無剝離及掉粉問題



產品應用端 Applications

Mobile phone, Laptops, Set-top box, LED back light, PDP/LCD/OLED screens, Ultra bright LED, Digital camera, Digital video camera, NIC, Projector, Handheld device etc.

產品物性 Properties

Properties	PTG-50100	PTG-90100	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	XY axis: Z axis:	1500~1800 12	W / mK W / mK	- -	Comparative Test ASTM D5470
Total Thickness 材料總厚度	50	90	μm	-	Meter厚薄規
Copper Foil Thickness 銅箔厚度	35	75	μm	-	Meter厚薄規
Coating Thickness 塗層厚度	15	15	μm	-	Meter厚薄規
Vertical Resistivity X軸-電阻	2.57		-	-	QJ1523-1988
Parallel Resistivity Z軸-電阻	0.66		KV / mm		QJ1523-1988
Cross-Cut Tape Test 百格測試	4B		-	-	ASTM D3359B
Pencil Hardness Test 鉛筆硬度測試	2H		-	-	ASTM D3363
Solvent Resistance (Alcohol) 耐溶劑測試(酒精)	Pass(5 times)		°C	-	ASTM D5402
Rubber Abrasive Test 橡皮耐磨測試	Pass(150 times)		Ohm-m	-	ASTM D7835
High Temperature & Humidity Test 高溫高濕測試	Pass(500hrs)		(85° C/85%RH)	-	IEC-60068-2-78
Thermal Shock Test 熱衝擊測試	Pass(500cycles)		(-20~80°C)	-	IEC-60068-2-78
Temperature Range of Utility 適用溫度範圍	-20~120		°C	-	ISO 16750-4

Need samples? 樣品需求?

Pre-cut for different shapes 可依需求沖型裁切

高柏科技 T-Global Techonology Co., Ltd

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