

PH3導熱複合材 Heat Spreader



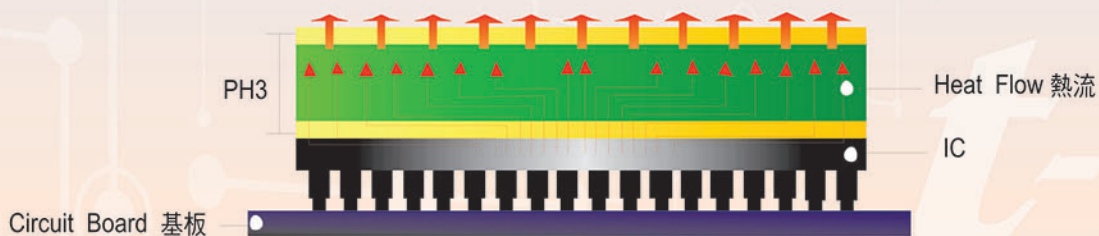
產品特性 Features

Excellent thermal radiation 優良熱輻射
Thin&bendable 超薄且具可彎曲性
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

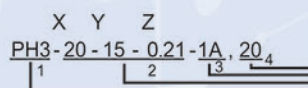
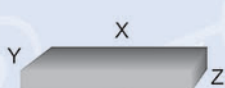
Mobile phone, Laptops, Set-top box, LED back light,
PDP/LCD/OLED screens, Ultra bright LED, Digital camera,
Digital video camera, NIC, Projector, Handheld device etc.

產品物性 Properties



Properties	PH3			Unit	Tolerance	Test Method
Metal Layer Thermal Conductivity 金屬層導熱係數	400	400	400	W / mK	-	ASTM D5470
Coating Layer Thermal Conductivity 塗佈層導熱係數	1.2	1.2	1.2	W / mK	-	ASTM D5470
Total thickness 總厚度	0.06	0.11	0.21	mm	±10%	ASTM D374
Metal Layer Thickness 金屬層厚度	0.012	0.05	0.1	mm	±10%	ASTM D374
Coating Layer Thickness 塗佈層厚度	0.048	0.06	0.11	mm	±10%	ASTM D374
Color 顏色	Black 黑			-	-	Visual 目視
Metal Layer 金屬層	Cu Foil			-	-	-
Coating Layer 塗佈層	High Thermal Radiation Nano-carbon Tube			-	-	-
Surface Resistance 體積阻抗	10 ¹²	10 ¹²	10 ¹²	Ohm-m	-	-
Continuous Working Temperature 工作溫度	-30~120	-30~120	-30~120	°C	-	-
Initial Tack 初期黏性	18	15	11	cm	-	PSTC-6
30° Peeling Strength (aluminum) 剝離強度	8	10	12	N / in	-	ASTM D3330
Breakdown Voltage(AC) 擊穿電壓	2	2	3	KV	-	ASTM D149
Breakdown Voltage(DC) 擊穿電壓	3	3	4	KV	-	ASTM D149
Flame Rating 耐燃等級	V-2	V-2	V-2	-	-	UL94

Need samples? 樣品需求? Available to apply adhesive 可依需求背膠



1. Choose the P/N
2. Fill into size: X, Y, Z
3. Apply the adhesive or not? 0=none, 1A= one side, 2A= two sides
4. Fill the quantity you need