



纳米碳散热片 AL Nano Carbon Heat Sink

技术数据表 Technical Data Sheet



采用纳米碳材料均匀涂覆于铝金属基材，由碳原子生成热辐射效能，将热能转换为红外线射频，纳米塗層熱傳導能力大大優於鋁金屬，使散熱片兩端產生溫度差異，熱量由高溫面傳遞至低溫面，形成主動式散热。具有高散热性和高热辐射。

With nano carbon materials evenly coated in aluminum metal base material, because the carbon atomic energy to generate heat, converting thermal infrared, nano coating heat conduction ability is greater than the aluminum, the temperature difference on both ends of the heat sink, heat from high-temperature surface transfer to low temperature, forming active cooling. High heat dissipation and Radiation heat transfer.

測試項目	測試方法	單位	測試值
顏色 Color	Visual	-	黑色
材質 Material	-	-	鋁基納米碳
厚度 Thickness	ASTM D374	mm	0.2-15
比重 Specific Gravity	ASTM D792	g/cm ³	2.7
耐溫範圍 Continuous use Temp	EN344	°C	-40~+150
彎曲強度 Tensile Strength	ASTM F-152	kpa	9000kpa
納米塗層 Porosity	ASTM D374	mm	0.05±0.01
納米體積 Pore volume	ASTM D257	NM	11
硬度 Hardness	ASTM D2240	Shore A	115
阻燃性 Flame Rating	UL 94	-	V-0
導熱係數 Conductivity	ASTM D5470	w/m-k	210
鹽霧測試 Salt spray test	ASTM B117	H	>200

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背膠物性 PRESSURE SENSITIVE ADHESIVE			
膠系	02025導熱雙面膠	粘著力	1.5Kg/25mm
ADHESIVE BASE	ACRYLIC	180PEEL ADHESION	
厚度	0.25mm	剝離力	2.0Kg/25mm
THICKNESS		RELEASE FORCE	
膠量	30±3g/m ²	適用溫度	-30~+120
DRYCOATING WEIGHT		TEMPERATURE RANGE	
初期力	2NO/BALL	耐溶劑	ON
TACK		SOLVENT RESISTANCE	
保持力	72HR/Kg*25mm	耐候性	OK
HOLDING POWER		WEATHER RESISTANCE	

使用方法:

- 1, IC表面擦拭乾淨至無雜質, 從離型紙或PET離型膜上取下散熱器。
- 2, 在粘貼過程中, 注意排除雙面膠與芯片之間的汽泡, 粘貼24小後達到最大粘接力。

Notes:

- 1, IC surface to wipe clean to the impurities, from the paper or PET from type membrane to remove the radiator.
- 2, In the process of paste, pay attention to rule out double the bubble Between IC and glue, paste after 24 small achieve maximum stick relay.