

LED热沉基板企业标准-RMT20120315-1

Standard of Heat sink wafer for LED-RMT20120315-1

上海瑞铂特金属新材料有限公司 Shanghai Rare Metal Advanced Materials Co.,Ltd

Item	2 inch	4 inch	5 inch	6 inch
直径 Diameter (mm)	50.8 mm 2 inch	101.6 mm 4 inch	127 mm 5 inch	152.4 mm 6 inch
厚度 Thickness (μm)	100~200±10	100~200 ± 10	100~200 ± 10	100~200 ± 10
材质 Composition	W: 89±1 wt%; Cu: balance			
供货状态 Delivery State	退火态; Annealed			
表面状态 Surface State	轧制表面, 类镜面, 磨光表面, 电镀表面, (按照客户要求). Rolled surface, like mirror surface, grinding surface, plating surface. (according to the buyer's required)			
表面粗糙度 Surface roughness, Ra (μm)	0.04~0.1			
平面度 Flatness (μm)	20~50	50~80	80~100	100~150
TTV Total Thickness Variation(μm)	2~15			
密度 Density (g/cm ³)	16.75~17.00			
相对密度 Relative Density %TD	>99%			
热膨胀系数 Coefficient of Thermal Expansion(10 ⁻⁶ /K)	5.2~5.6			
热导率 Thermal Conductivity (W/mK)	170~190			
比热容 Specific Heat Capacity (J/kgK)	155			
维氏硬度 Vickers Hardness (HV10)	250~380			

本标准负责起草单位: 上海瑞铂特金属新材料有限公司

This standard is issued by: Shanghai Rare Metal Advanced Materials Co., Ltd

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