

LUXE

TECHNOLOGY FOR LED LIGHTING

AL-1.5W4K-LE PROPRIETIES

项目 Item	处理条件 Test condition	单位 Units	指标值 Spec	典型值 Typical Value	
				类型2 Type2	
热阻* (备注) thermal resistance (note)	激光法 (ASTM E1461)	K.m ² /W	≤1.0×10 ⁻⁴	—	
			≤0.7×10 ⁻⁴	0.51×10 ⁻⁴	
			≤0.5×10 ⁻⁴	—	
热导率* (备注) Thermal Conductivity(note)	激光法 (ASTM E1461)	W/ m.K	> 1.0	—	
			> 1.5	1.6	
			> 2.0	—	
剥离强度 10Z Peel Strength	A	N/mm	≥ 1.2	1.83	
	热应力后			1.73	
热应力 Thermal Stress	288°C, solder dip	S	≥ 120	180S No delamination	
	300*10s/cycle solder dip	Cycle	—	≥3次	
表面电阻 Surface Resistivity	C96/35/90	MΩ	≥ 10 ⁴	10 ⁵	
	E-24/125		≥ 10 ³	10 ⁵	
体积电阻 Volume Resistivity	C96/35/90	MΩ·cm	≥ 10 ⁶	10 ⁷	
	E-24/125		≥ 10 ³	10 ⁵	
电气强度* 备注 (AC) BreakdownVoltage	A	KV/mm V/mil	≥ 30 ≥ 750	40	
	IPC-TM-650 2.5.6.2			1000	
介电常数 (1MHz) DielectricConstant	C 24/23/50	—	—	5.3	
	IPC-TM-650 2.5.5.2				
耐电弧 Arc Resistance	D48/50+ D0.5/23	S	≥ 60	120	
	IPC-TM- 650 2.5.1				
燃烧性 Flammability	E-24/125	—	V-0	V-0	
玻璃化温度 T _g	DSC	°C	≥ 110	122.6	
吸水率 Water Absorption	D-24/23	%	≤ 1.5	0.43	
	IPC-TM-650 2.6.2.1				
CTI	IEC60112	V	≥ 600	600	

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