

陶瓷基板技术说明书

陶瓷基板系列 V-MTECK®

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南京麦德材料有限公司研发中心

南京.中国

陶瓷基板系列V-MTECK®

特点

V-MTECK® 系列陶瓷基板主要材料是高纯氧化铝，热稳定性好，强度高，抗刮耐腐蚀，被广泛应用于 AI 时代高性能计算机，MEMS,CPO 共封装等 IC 封装领域。采用特有的制造技术，结合了激光、等离子和溅射等技术。保证基板线路满足特殊情况下的需求。我们提供从材料到线路载板的整体解决方案。

项 目		产品技术指标	备注
公差	外形长&宽	-0.05, +0.2 mm	
	基板厚度	1.00±0.03mm	
	线宽/间距	<25um, ±15%	DPC+
	焊盘&节距	PAD>0.30, ±0.025mm, PITCH>0.50 : ±15%	DPC
	焊盘位置	±0.10mm	DPC
平面度		≤0.5mm	
表面粗糙度		Ra≤ 2μm, Rz≤ 15μm	
表面处理		ENIG 防腐抗氧化导电处理	
		化镀镍：3 ~ 7μm (P:8%±2%)	
		化镀镍金：Ni 3 ~ 7μm (P:8%±2%)/Au0.03 ~ 0.13 μm	
使用温度		800℃ 至-55℃（温度高于 300℃ 时，需要保护性气体）	
存储条件		真空或氮气保护，开封后干燥通风 15 天内使用	
保质期		真空包装 6 月	

联系

南京市秦淮区紫丹路一号设计产业园 6 栋

市场部

Mobile: +86-18666221411

Mail: market@vmteck.com

技术支持:

Mobile: +86-13770956358

Mail: sale@vmteck.com

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