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转移生带

41020-T

TRANSFER TAPE

适用于96%氧化铝基板、介电常数为7~9的无铅转移生瓷带
Lead-Free Ceramic Transfer Tape with a Dielectric Constant of 7~9 for
Use with 96% Alumina

ESL41020-T是由分散于有机基体中的无机介质粉末，在96%氧化铝基板上经过层压而形成的柔性挤塑薄膜。在850℃的温度下烧结后，该生带形成稳定的致密体。在压强为1.7-6.9MPa，温度为70℃的条件下，层压该生带效果最好。此转移生带被定型在硅涂层聚酯薄膜上，以减小环境污染，防止其受到机械损伤，且便于操作处理。

ESL 41020-T is a flexible cast film of inorganic dielectric powder dispersed in an organic matrix, designed to be laminated to 96% alumina. ESL 41020-T will yield a robust dense body after firing at 850°C. A pressure/temperature combination of 1.7-6.9 MPa and 70°C works well for laminating to alumina. Transfer tape is provided on a silicone-coated polyester film to minimize environmental contamination, to protect it from mechanical damage, and to aid in handling.

产品特性 TYPICAL PROPERTIES (when laminated to 96% Al₂O₃)

介电常数	DIELECTRIC CONSTANT:(1 kHz)	7.0- 9.0
耗散因数	DISSIPATION FACTOR:(1 MHz)	0.5%
绝缘电阻	INSULATION RESISTANCE: (at 100 VDC, 25°C)	≥ 10 ¹² Ω/□
击穿电压	BREAKDOWN VOLTAGE:	> 1000 VDC/25 μm
烧结温度	FIRING TEMPERATURE:	850 °C
烧结收缩率	FIRED SHRINKAGE:	X and Y 0 %
		Z 40-55 %
烧结密度	FIRED DENSITY:(Theoretical)	3.12 g/cm ³
生带厚度	TAPE THICKNESS:	115-135 μm
颜色	COLOR: Blue	蓝色