

KAPTON TAPE (ESD POLYIMIDE TAPE)

GENERAL INFORMATION

This CA1084A ESD Polyimide Tape is constructed to fill the requirements of a high performance Thermoplastic (Polyimide backing materials). It is manufactured from polyimide film backing with high efficient silicone adhesive. The ESD additive reducing the electrostatic discharge that occurs upon tape removal. Therefore, it is chosen for gold finger protection during wave solder applications. CA1084A can safely and cleanly be removed from printed circuit boards. The proprietary adhesive system provides high electrostatic dissipation without sacrificing adhesive strength at extreme temperatures.

CA1084A offers:

- Excellent electrostatic discharge properties.
- Excellent mechanical and electrical properties.
- Excellent dielectric strength.
- High conformability.

PRODUCT DATA

Item	Unit	Test Method	Normal	Minimum
Adhesive Type	-	-	Silicone Adhesive	
Backing	-	-	Polyimide Film	
Backing Thickness	mm	ASTM D3652	0.025	
Adhesive Thickness	mm	ASTM D3652	0.040	0.035
Total Thickness	mm	ASTM D3652	0.065	0.060
Color	-	-	Amber	
Adhesion to Steel	g/f/in	ASTM D3330	600	550
Tensile Strength	Kg/cm	ASTM D3759	6	4.5
Elongation	%	ASTM D3759	60	45
Dielectric Strength	kV	ASTM D 149	6.5	5.0
Static Charge-Unwinding	Volt	-	< 50 *	
Static Charge-Removal from PCB	Volt	-	< 50 *	
Surface resistant	Ω	-	$10^6 \sim 10^9$	
Class of Insulation	$^{\circ}\text{C}$	UL 510	UL H / 200	
Range of Temperature	$^{\circ}\text{C}$	-	-73 ~ 260	

* Static charge @ 50 R.H., 70% in any ESD controlled environment.

Availability

Tape Width (mm)	3mm ~500mm
Tape Length (m)	33m