

Kapton Tape



DESCRIPTION

A high quality Kapton tape with excellent resistance to thermal radiation.

DISTINCTIVE FEATURES

- Polyimide film with silicone adhesive
- Available in 12, 19 and 25mm widths
- Supplied on 33m reels
- 25µm Backing thickness

APPLICATIONS

Applications include PCB assembly as a wave solder masking tape and applications where a thin, tough insulating material is required, for example wrapping wire & cable, capacitors, coils & transformers etc. Can also be used for masking in powder coating processes.

25µm

33m

12mm

19mm

25mm





ELECTRICAL SPECIFICATION

Dielectric strength	7500 KV @ 200°C
Insulation resistance	1x 10 ⁶ MΩ



GENERAL SPECIFICATION

Tape type	Kapton (polyimide)
Reel length	33 metres
Colour	Amber
Removability	No residue after removing
RoHS compliant	Yes



MATERIALS

Backing	Polyimide Film
Adhesive	Silicone



CERTIFICATION AND STANDARDS

UL approval	E113238
-------------	---------



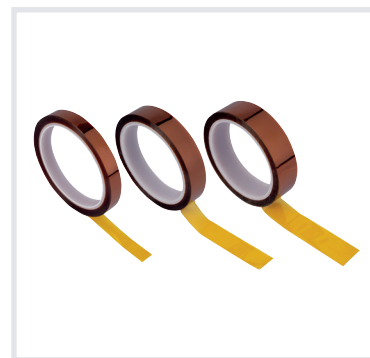
ENVIRONMENTAL/OPERATING SPECIFICATION

Temperature range	-70 to 250°C
Breaking strength	5.4 (Kg per cm)
Elongation at break	55%
Thermal classification	H (180°C)
Adhesive shear strength	6.5N/25mm
Tensile strength	>80N/25mm
Storage conditions	Keep in dry and clean place, under normal temperature at 15°C~30°C, 65%RH
Shelf life	12 months from production date



DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Tape width	See Table
Weight	See Table
Backing thickness	25 μ m +/-0.005mm
Total thickness	63.5 μ m +/-0.005mm



PART NUMBER TABLE

Part Number	Tape Width (mm)	Weight (gm)	UNSPSC	EAN	Country of Origin
52-4567	12	41	31201503	5053556004348	China
52-4568	19	72	31201503	5053556004355	China
52-4569	25	93	31201503	5053556004362	China

R-TECH

Tried & trusted technology

Important Notice: This data sheet and its contents (the "Information") belong to Rapid Electronics Limited or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Rapid Electronics Limited assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Rapid Electronics Limited were aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict Rapid Electronics Limited's liability for death or personal injury resulting from its negligence.