

# Botron BK1653 Technical Data Sheet



## Overview:

Hi-Heat Kapton type polyimide tape will withstand temperatures up to 500F / 260C. Designed to protect gold contact fingers on PCBs during wave soldering. It is also highly resistant to heat and chemicals, puncture and tear resistant at high temperatures and offers optimal performance in electrical and thermal insulation.

## PROPERTIES

## SPECIFICATIONS

Material:	2.5 Mil. Polyimide Film (Kapton Type)
Backing:	Polyimide Film
Adhesive:	Silicone
Core:	3"
Backing Thickness:	1 Mil.
Adhesive Thickness:	1.5 Mil.
Static Generation:	<50 volts @ 50% RH
Size:	½", ¾", 1" & 2" - 36 yds
Adhesion:	25oz/inch
Tensile Strength:	30lb/inch
Dielectric Strength:	6500 volts
Insulation Resistance:	1,000,000 mega ohms
Electrolytic Corrosion:	1
Insulation Class:	180°C
Elongation:	>55%
Temperature:	260°C (500°F)
Colors:	Amber

## AVAILABLE APPLICATIONS

Botron's High-Temp Polyimide Tape is ideal for protecting sensitive printed circuit board (PCB) components such as gold leads and gold fingers during the process of wave soldering. Further, due to its superior dielectric properties, this polyimide tape works as a great insulator for static sensitive electronic components.

## Product Notes and Features

- 36 Yards in Length
- Silicone Based Adhesive
- Tensile Strength: 30lb/inch
- Adhesive to Steel: 26oz/inch
- Dielectric Strength: 6,500



## PART NUMBERS

BK1643 1/4" x 3" core Hi-Temp Kapton tape  
BK1653 1/2" x 3" core Hi-Temp Kapton tape  
BK1633 3/4" x 3" core Hi-Temp Kapton tape  
BK1613 1" x 3" core Hi-Temp Kapton tape  
BK1653D DUB/SIDE 1/2" x 3" core Hi-Temp Kapton tape

Botron Company Inc. | 325 W. Melinda Ln Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

**Disclaimer.** All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.  
The statements herein shall have no force or effect.