## mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## **HellermannTyton**

## **Specification Sheet**

Part Number: 318-60153



Heat Shrink Tubing, 4' Long Stick, Adhesive Lined, 3:1 Shrink Ratio, 3/8", 9.0/3.0 Dia, PO, Black, 15/pkg

Type       TAN33-ST-9/3 BK         Color       Black (BK)         Features & Benefits       • Adhesive lining provides an excellent seal against moisture and humidit Thin exterior wall is very flexible, while providing superior insulation of ca and components. • 3 to 1 shrink ratio accommodates a wide range of component shapes and diameters. • Meets UL224 VW-1 specifications, n it ideal for high heat applications (excludes clear tubing). • Polyolefin mat provides mechanical strength with good resistance to solvents, oils and f 4-foot sticks are individually tagged and come in a retail box.	
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	lation of cables ange of fications, making volefin material
Quantity Per pack	

Product Description	TAN33 is a flexible, thin wall adhesive-lined heat shrink tubing with highly flame retardant properties. The 3 to 1 shrink ratio accommodates a wide range of component shapes and diameters. The adhesive lining begins to activate as the temperature reaches 176° F (80° C), to create a strong seal against moisture and humidity.
Short Description	Heat Shrink Tubing, 4' Long Stick, Adhesive Lined, 3:1 Shrink Ratio, 3/8", 9.0/3.0 Dia, PO, Black, 15/pkg
Global Part Name	TAN33-ST-9/3 BK-PO-X-BK
Length L (Imperial)	4.0
Length L (Metric)	1.22
Variant	Thin-Wall
Nominal Diameter (Imperial)	3/8
Nominal Diameter (Metric)	9

Wall Thickness WT (Imperial) .056	
Wall Thickness WT (Metric) 1.40	

Material	Polyolefin, cross-linked (PO-X)
Material Shortcut	PO-X
Adhesive	Hot melt adhesive

Halogen free	No
Operating Temperature (Metric)	-67°F to +257°F (-55°C to +125°C)
Reach Complaint(Article 33)	Yes
ROHS Complaint	Yes
UL Recognized (US)	Yes
UL Recognized (US and Canada)	Yes
Package Quantity(Imperial)	15
Package Quantity (Metric)	15
Customs Number	3926909987

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