

## Conductive Film 1700 Series

Conductive Film 1700 is opaque, volume-conductive, carbon-impregnated polyolefin, and is commonly used for material handling, shipping and storage in the electronic or chemical industries.



### RoHS, REACH, and Conflict Minerals Statement

See the DESCO INDUSTRIES INC RoHS, REACH and Conflict Mineral Statement:  
[Descoindustries.com/pdf/Regulatory.pdf](https://descoindustries.com/pdf/Regulatory.pdf)

See the SCS Limited Warranty:  
[SCS Warranty, Limitation of Liability and Remedies](#)

Film is free of amines, silicones and heavy metals.

This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program.

Unless otherwise specified tolerance  $\pm 10\%$ .

### Conductive Film, Short Rolls 1704, 1706, 1708\*

Type	Conductive
Film Thickness for 1704	4.0 mil (102 microns)
Film Thickness for 1706	6.0 mil (152.4 microns)
Film Thickness for 1708*	8.0 mil (203.2 microns)
Standard Sizes	
Roll Length 150 ft. (45.7 m)	36 in. (91.4 cm) (Items: 1704, 1706) 54 in. (137.2 cm) (Items: 1704) 72 in. (182.9 cm) (Items: 1704, 1706)

\*1708 is custom material, check for availability

### Conductive Film, Long Rolls, 1764

Type	Conductive
Film Thickness	4.0 mil (102 microns)
Standard Size	
Roll Length 1,500 ft. (457.2 m)	36 in. (91.4 cm)

## Specifications

Property	Test Method	Typical Value
Thickness	ASTM D2103	See above table
Strength		
Breaking Factor	ASTM D882	8 lbs./in.
Puncture	Fed Std 101	7 lbs.
Heat Seal Parameters		
Temperature		250°F
Time		3.0-5.0 sec.
Pressure		20-60 PSI
Vicat Softening Temperature	ASTM D1525	83°C
Electrical Properties		
Volume Resistivity	ASTM D991	<500 ohm-cm
Static Decay	EIA-541	<2 sec.
Chemical Susceptibility		
Dilute Acids and Alkalies	ASTM D543	Resistant
Alcohols (Isopropanol)		Resistant
Ketones (Acetone)		Slight attack
Hydrocarbons (Acetone)		Moderate attack
Gasoline		Moderate attack
Aromatic Hydrocarbons (Toluene)		Severe attack

Specifications and procedures subject to change without notice.



Made in the  
United States of America



# SCS

### SCS

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**DRAWING  
NUMBER**

1700 SERIES

**DATE**

February  
2021

# Mouser Electronics

Authorized Distributor

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## Desco:

[1706 45X150](#) [1706 36X150](#) [1706 72X150](#) [1764 36X1500](#) [1704 72X150](#)

## SCS:

[1708 54X150](#) [1708 36X150](#) [1708 72X150](#)