



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

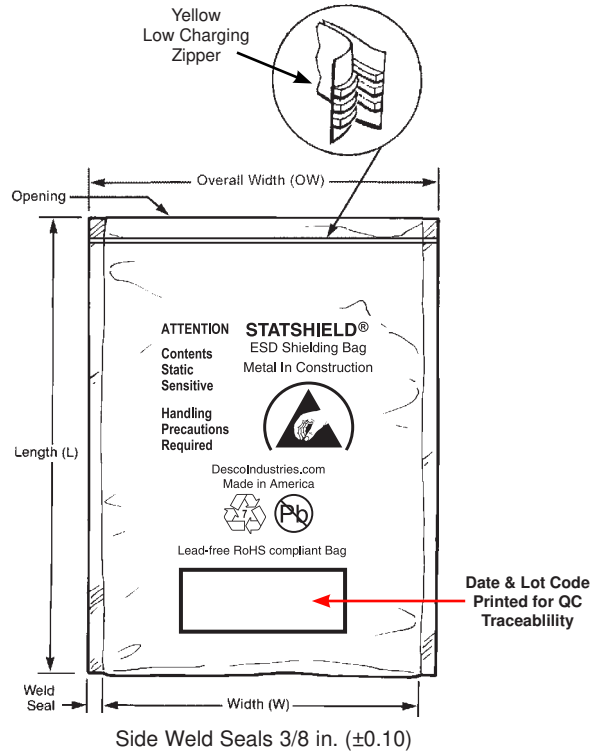
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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# STATSHIELD® METAL-IN SERIES



## Specifications:

### Electrical Properties

Electrical Properties	Typical Values
Surface Resistance:	
Outer Surface	<10E11 ohms
Aluminum Layer	<10E2 ohms
Inner Surface	<10E11 ohms
Static Shielding	<25 nJ
Charge Generation	Teflon: 0.09 nC/sq. in. Quartz: 0.01 nC/sq. in.
Capacitance Probe (to dissipate 1 KV)	<30 volts

### Test Procedures/Method

ANSI/ESD STM11.11
ANSI/ESD STM11.11
ANSI/ESD STM11.11
ANSI/ESD STM11.31, EIA 541
Modified Incline Plane
Modified Incline Plane
ANSI/EIA-541/Appendix E, 1kV Discharge

### Physical Properties

Physical Properties	Typical Values	Test Procedures/Method
Bag Thickness:		
Thickness	Nominal .0030" (.0762mm) ±10%	MIL-STD-3010, 1003
Width (Inside Dimensions)	Nominal -0" / + .125"	
Length (Inside Dimensions)	Nominal ± .125"	
Light Transmission	>40% (Tobias)	ASTM D-1003
Heat Seal	>10 lbs/in	375°F, 1/2 sec 60 psi
Tensile	9000 PSI	ASTM D882
Puncture Resistance	>10 lbs	MIL-STD-3010, 2065
MVTR	<0.40	FTMS 101C/2065
Outgassing	Pass	ASTM E595
Non-corrosive	Pass	MIL-STD-3010, M3005

### Chemical Properties

Corrosion:	No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel
Polycarbonate compatible:	Contains no Amines, Amides, or N-Octanoic Acid.
Bag is free of amines, N-octanoic acid, silicones and heavy metals.	

### ANSI/ESD S541 Section 6.2 Outside an EPA

"Transportation of sensitive products outside of an EPA shall require packaging that provides:

1. Low charge generation
2. Dissipative or conductive materials for intimate contact
3. A structure that provides electrostatic discharge shielding."

### RoHS and REACH Compliance Statement

None of the RoHS restricted materials or REACH substances of very high concern are intentionally added in manufacturing this product. Ref: Directive 2002/95/EC Article 4.1. and Regulation (EC) No. 1907/2006. See Desco Industries Inc. Limited Warranty at [Desco.com](http://Desco.com).

The bag's material meets the required limits of ANSI/ESD S541 per ANSI/ESD S20.20.

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.



\*Made in the United States of America

Specifications and procedures subject to change without notice.

\*Film made in USA or Malaysia

Low Charging Static  
Dissipative Proprietary  
Outer Polyester Layer

Aluminum Shielding Layer

Low Charging Static  
Dissipative Proprietary  
Inner Polyethylene Layer

### Mixed Unsortable Plastic Scrap

Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades

**Desco's bags are recyclable**

Statshield® bags are packaged 100 per package in an oversized shielding bag.  
Shelf life of bags is minimum one year in normal indoor storage conditions.

# DESCO

## STATSHIELD® BAG, SHIELDING, METAL-IN CONSTRUCTION, ZIPPER, .0030" (.0762mm)

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](http://Desco.com)  
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**DRAWING  
NUMBER**  
13605

**DATE:**  
October  
2011