



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!



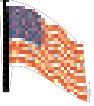
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

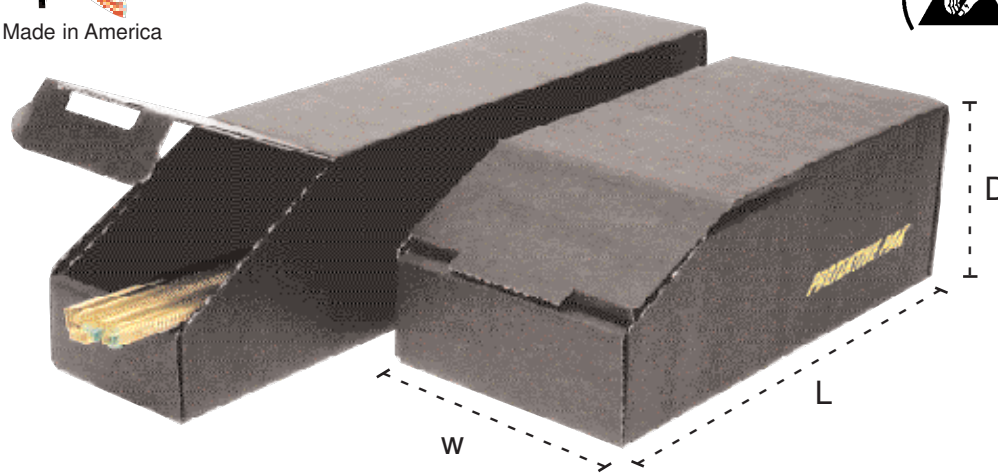
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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





Made in America



### Features

- Economical method of storing static sensitive electronics devices
- Wide choice of sizes
- When reclosable cover is closed, the "Faraday Cage" effect restricts electrostatic charges to exterior of box
- Shipped knocked-down; easy to assemble
- Made in America

#### RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Protektive Pak Inc. letter on-line at [ProtektivePak.com](http://ProtektivePak.com).

See reverse side for available sizes.

### SPECIFICATIONS

#### Properties

**Electrostatic Decay**  
**Surface Resistivity**

**Surface Resistivity, Low R.H. Cut-off**

**High-Voltage Discharge Resistance**

**Static Shielding**

**Charged Device Model (CDM) Safety**

**Current-Carrying Hazard**

**Corrosivity**

**Antistat Transfer**

**Water & Isopropyl Alcohol Extraction**

**Tests for Antistat Permanence**

**Sloughing Test**

**Recyclability**

**Biodegradability**

**Volume Conductivity**

**Shelf Life**

#### Typical Values

0.01 seconds at 72°F and 11.8% R.H.

$10^7 - 10^8$  ohms/sq. after 11 days at 68°F and 12% R.H. for surface.  $10^3 - 10^4$  ohms/sq. for buried shielding layer

4% R.H.

Failure rate 0/5 (no oxide damage in five consecutive tests)

99.9% attenuation at 10kV; 99.6% attenuation at 30kV

RTG  $>10^7$  ohms at 86% R.H. or less

$10^3$  mA at 110V;  $10^3$  mA at 220V

Contains 1-3 ppm reducible sulfur

No transfer

Surface resistivity  $10^8 - 10^9$  ohms/square at 74°F and 36% R.H.

Negligible surface damage at 10 cycles and <5% of surface damage at 200 cycles in Taber Abrasion Test. No conductive particles abraded from surface

Complete recyclability of package

Biodegradation in or on moist soil

Conductivity from wall to wall as well as across surface to assure permanence of the antistatic property

Indefinite

#### Test Procedures/Method

FED-STD-101, Method 4046

ASTM D257

Rockwell International Test Report of December 20, 1991

Rockwell International Test Report of December 20, 1991

EIA 541, appendix E, capacitive probe test

Rockwell International Test Report of December 20, 1991

ESD from A to Z

FED-STD-101, Method 3005 for reducible sulfur

Rockwell International Test Report of January 8, 1992

Rockwell International Test Report of January 8, 1992

ASTM D4060 at 70 rpm with CS-17 abrasive-coated wheels and 1000 grams load

Rockwell International Test Report of January 8, 1992

Rockwell International Test Report of January 8, 1992

Rockwell International Test Report of January 8, 1992

### CLOSED BIN BOXES

# PROTEKTIVE PAK

PROTEKTIVE PAK  
 13520 MONTE VISTA AVENUE, CHINO, CA 91710  
 PHONE (909) 627-2578, FAX (909) 363-7331  
[www.protektivepak.com](http://www.protektivepak.com)

**DRAWING NUMBER**  
 37590

**DATE:**  
 5/06

Item No.	Size O.D. - L x W x D
<b>37590</b>	12 x 4 x 4-1/2
<b>37591</b>	12 x 6 x 4-1/2
<b>37599•</b>	12 x 8 x 4-1/2
<b>37592</b>	12 x 12 x 4-1/2
<b>37593</b>	18 x 4 x 4-1/2

• This item is not stocked

Item No.	Size O.D. - L x W x D
<b>37594</b>	18 x 6 x 4-1/2
<b>37598</b>	24-3/4 x 2 x 4-1/2
<b>37595</b>	24-3/4 x 4 x 4-1/2
<b>37596</b>	24-3/4 x 6 x 4-1/2
<b>37597</b>	24-3/4 x 8 x 4-1/2