



## Features

- Efficient means of shipping or storing ESD sensitive circuit boards and other items
- Provides ESD shielding with lid closed; "Faraday Cage" effect restricts electrostatic charges to exterior
- For physical protection, convoluted foam secures items, minimizing movement and reduces stress from physical shock
- No assembly required
- Convoluted static dissipative  $<10^{11}$  ohms polyurethane pink foam laminated to top and fitted in bottom
- Made in America

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



Made in America

## CIRCUIT BOARD SHIPPERS

# PROTEKTIVE PAK

PROTEKTIVE PAK  
1350 MONTE VISTA AVENUE, CHINO, CA 91710  
PHONE (909) 627-2578, FAX (909) 363-7331  
www.protektivepak.com

**DRAWING NUMBER**  
37050

**DATE:**  
7/05

| Item No.     | Size I.D. - L x W x D               |
|--------------|-------------------------------------|
| <b>37050</b> | 4 x 4 x 2-1/8, box only             |
| <b>37051</b> | 4 x 4 x 2-1/8, box w/foam           |
| <b>37080</b> | 6-3/16 x 6 x 1-1/2, box only        |
| <b>37081</b> | 6-3/16 x 6 x 1-1/2, box w/ foam     |
| <b>37052</b> | 7 x 5 x 1-1/2, box only             |
| <b>37053</b> | 7 x 5 x 1-1/2, box w/ foam          |
| <b>37054</b> | 7 x 5 x 2-1/2, box only             |
| <b>37055</b> | 7 x 5 x 2-1/2, box w/ foam          |
| <b>37082</b> | 7 x 7 x 1-1/2, box only             |
| <b>37083</b> | 7 x 7 x 1-1/2, box w/ foam          |
| <b>37056</b> | 9 x 7-1/2 x 2-1/2, box only         |
| <b>37057</b> | 9 x 7-1/2 x 2-1/2, box w/foam       |
| <b>37084</b> | 9 x 9 x 1-1/2, box only             |
| <b>37085</b> | 9 x 9 x 1-1/2, box w/foam           |
| <b>37058</b> | 10-1/2 x 8-1/2 x 1-1/2, box only    |
| <b>37059</b> | 10-1/2 x 8-1/2 x 1-1/2, box w/foam  |
| <b>37060</b> | 10-1/2 x 8-1/2 x 2-1/2, box only    |
| <b>37061</b> | 10-1/2 x 8-1/2 x 2-1/2, box w/foam  |
| <b>37062</b> | 12-1/2 x 10-1/2 x 1-1/2, box only   |
| <b>37063</b> | 12-1/2 x 10-1/2 x 1-1/2, box w/foam |
| <b>37064</b> | 12-1/2 x 10-1/2 x 2-1/2, box only   |
| <b>37065</b> | 12-1/2 x 10-1/2 x 2-1/2, box w/foam |

| Item No.      | Size I.D. - L x W x D               |
|---------------|-------------------------------------|
| <b>37066</b>  | 14-7/8 x 6-5/8 x 2, box only        |
| <b>37067</b>  | 14-7/8 x 6-5/8 x 2, box w/foam      |
| <b>37068</b>  | 15-1/2 x 12-1/2 x 1-1/2, box only   |
| <b>37069</b>  | 15-1/2 x 12-1/2 x 1-1/2, box w/foam |
| <b>37070</b>  | 15-1/2 x 12-1/2 x 2-1/2, box only   |
| <b>37071</b>  | 15-1/2 x 12-1/2 x 2-1/2, box w/foam |
| <b>37072</b>  | 16 x 12-1/4 x 3-1/2, box only       |
| <b>37073</b>  | 16 x 12-1/4 x 3-1/2, box w/foam     |
| <b>37086</b>  | 16 x 15 x 3, box only               |
| <b>37087</b>  | 16 x 15 x 3, box w/foam             |
| <b>37074•</b> | 18-7/8 x 17-5/8 x 1-3/4, box only   |
| <b>37075•</b> | 18-7/8 x 17-5/8 x 1-3/4, box w/foam |
| <b>37088•</b> | 19 x 19 x 3, box only               |
| <b>37089•</b> | 19 x 19 x 3, box w/foam             |
| <b>37076•</b> | 20-1/2 x 15-1/2 x 1-1/2, box only   |
| <b>37077•</b> | 20-1/2 x 15-1/2 x 1-1/2, box w/foam |
| <b>37078</b>  | 20-1/2 x 15-1/2 x 2-1/2, box only   |
| <b>37079</b>  | 20-1/2 x 15-1/2 x 2-1/2, box w/foam |
| <b>37090•</b> | 22 x 15 x 3, box only               |
| <b>37091•</b> | 22 x 15 x 3, box w/foam             |
| <b>37092•</b> | 27-3/8 x 24-3/8 x 4, box only       |
| <b>37093•</b> | 27-3/8 x 24-3/8 x 4, box w/foam     |

- These items made to order

# Mouser Electronics

Authorized Distributor

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