



**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 <math>10^{11}</math> ohms polyurethane pink foam laminated to top and fitted in bottom
- Available with or without foam
- Made in the United States of America

See reverse side for available sizes.

**SPECIFICATIONS**

Properties	Typical Values
<b>Electrostatic Decay</b>	0.01 seconds at 72°F and 11.8% R.H.
<b>Surface Resistance</b>	$1 \times 10^5$ to $< 1 \times 10^{11}$ ohms
<b>High-Voltage Discharge Resistance</b>	Failure rate 0/5 (no oxide damage in five consecutive tests)
<b>Static Shielding</b>	99.9% attenuation at 10kV; 99.6% attenuation at 30kV
<b>Current-Carrying Hazard</b>	$10^3$ mA at 110V; $10^3$ mA at 220V
<b>Corrosivity</b>	Contains 1-3 ppm reducible sulfur
<b>Antistat Transfer</b>	No transfer
<b>Water &amp; Isopropyl Alcohol Extraction Tests for Antistat Permanence</b>	Surface resistance $10^8 - 10^9$ ohms/square at 74°F and 36% R.H.
<b>Sloughing Test</b>	Negligible surface damage at 10 cycles and <5% of surface damage at 200 cycles in Taber Abrasion Test. No conductive particles abraded from surface
<b>Recyclability</b>	Complete recyclability of package
<b>Biodegradability</b>	Biodegradation in or on moist soil
<b>Volume Conductivity</b>	Conductivity from wall to wall as well as across surface to assure permanence of the antistatic property
<b>Shelf Life</b>	Indefinite

**Test Procedures/Method**

FED-STD-101, Method 4046  
 ANSI/ESD STM11.11  
 Rockwell International Test Report of December 20, 1991  
 EIA 541, appendix E, capacitive probe test  
 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



Specifications and procedures subject to change without notice.

**CIRCUIT BOARD SHIPPERS**

**PROTEKTIVE PAK**

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

**DRAWING NUMBER**  
 37050

**DATE:**  
 December 2013

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