



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!



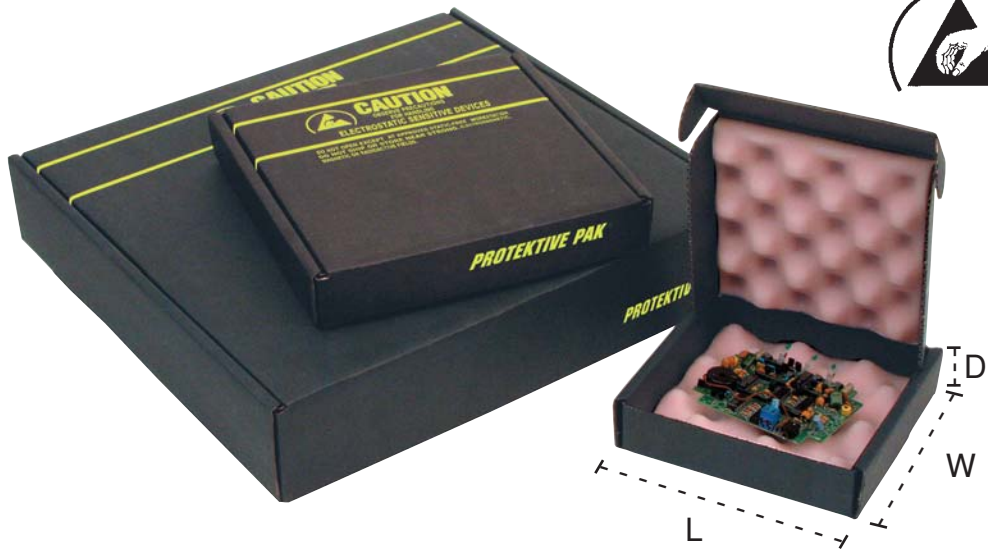
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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	Typical Values
Electrostatic Decay	0.01 seconds at 72°F and 11.8% R.H.
Surface Resistivity	$10^7 - 10^8$ ohms/sq. after 11 days at 68°F and 12% R.H. for surface. $10^3 - 10^4$ ohms/sq. for buried shielding layer
Surface Resistivity, Low R.H. Cut-off	4% R.H.
High-Voltage Discharge Resistance	Failure rate 0/5 (no oxide damage in five consecutive tests)
Static Shielding	99.9% attenuation at 10kV; 99.6% attenuation at 30kV
Charged Device Model (CDM) Safety	RTG $>10^7$ ohms at 86% R.H. or less
Current-Carrying Hazard	10^3 mA at 110V; 10^3 mA at 220V
Corrosivity	Contains 1-3 ppm reducible sulfur
Antistat Transfer	No transfer
Water & Isopropyl Alcohol Extraction Tests for Antistat Permanence	Surface resistivity $10^8 - 10^9$ ohms/square at 74°F and 36% R.H.
Sloughing Test	Negligible surface damage at 10 cycles and <math><5\%</math> of surface damage at 200 cycles in Taber Abrasion Test. No conductive particles abraded from surface
Recyclability	Complete recyclability of package
Biodegradability	Biodegradation in or on moist soil
Volume Conductivity	Conductivity from wall to wall as well as across surface to assure permanence of the antistatic property
Shelf Life	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



CIRCUIT BOARD SHIPPERS

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
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PROTEKTIVE PAK

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

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

• These items made to order