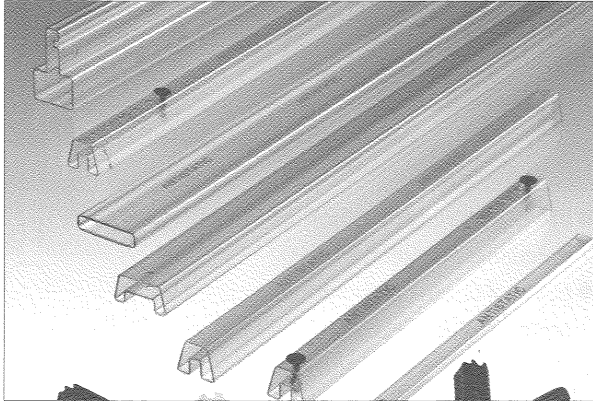


459 963

IC TUBES

We offer a comprehensive range of antistatic tubes (and accessories) with good antistatic (low charging) properties. They alleviate the problems of damage when handling and shipping small components. Dimensions of all profiles are available from our website: www.vermason.co.uk

IC SHIPPING TUBE



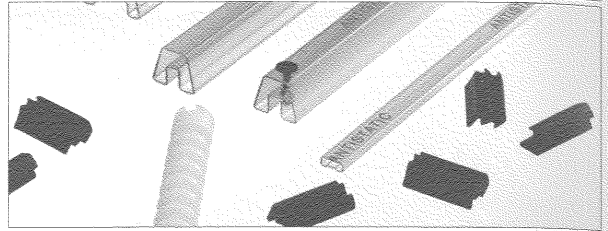
- Antistatic coated rigid PVC tubes, very low charging
- Offer good physical protection of components
- Standard lengths are 7", 11" and 20"
- Other profiles available, please inquire
- See below for end plugs or tacks



PROFILE, LENGTH	CODE	UNIT
Crystal DIL oscillator, 20"	L809	100
.150 SOIC, 20"	L8112	100
.150 SOIC, 7"	L8117	100
.3 SOIC, 20"	L8312	100
.3 SOIC, 7"	L8317	100
.3 DIP, 11"	L8321	100
.3 DIP, 20"	L8322	100
.3 DIP, 3"	L8323U	100
.3 DIP, 7"	L8327	100
.3 DIP, 7" unpunched	L8327U	100
PLCC44, 20"	L8532	100
PLCC68, 20"	L8542	100
PLCC84, 20"	L8552	100
.6 DIP, 20"	L8622	100
.6 DIP, 11"	L8623	100
.6 DIP, 7"	L8627	100
TO220, 20"	L8712	100
TO247, 40mm	L8740	100

NOTE: DIP tubes have one hole one end and six holes the other. Allows tack to be placed so as to minimise movement.

END PLUGS

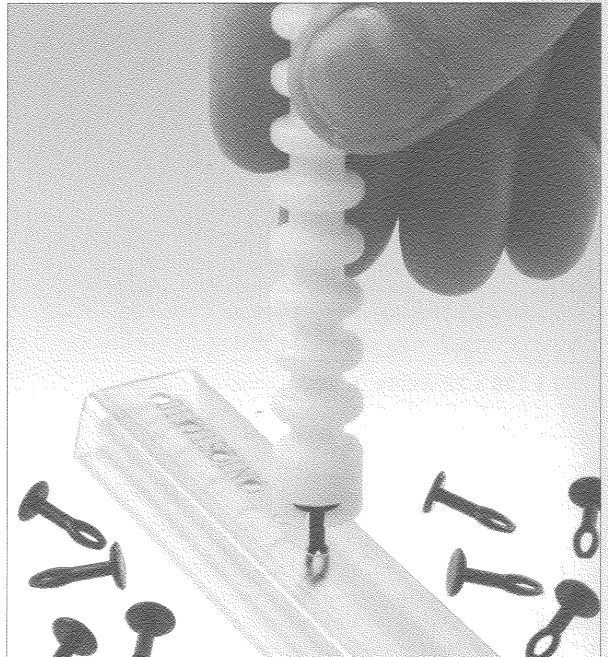


- Designed to fit our shipping tubes
- Made of black plastic. Other colours to order

PROFILE	CODE	UNIT
DIP DC-DC converter	L802E	100
Crystal DIL oscillator	L809E	100
.150 SOIC	L811E	100
.3 SOIC	L831E	100
.3 DIP	L832E	100
PLCC84 end plug	L855E	100
.6 DIP	L862E	100
TO220	L871E	100

NOTE: Two plugs needed per tube

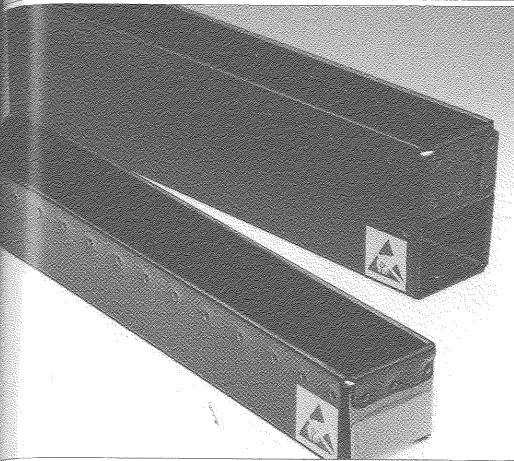
TACKS AND TACK EXTRACTOR



- Tacks replace end plugs in drilled DIP tubes only (other profiles require end plugs)
- Fit hole of 3mm diameter, length 12mm
- Tack extractor eases their removal from tubes

	CODE	UNIT
Tacks	L80B	100
Extractor	L80NS	each

SHIPPING TUBE HOLDER



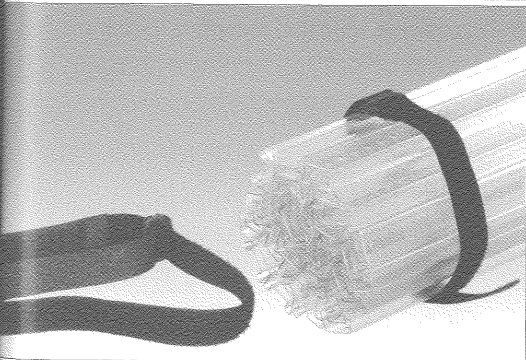
made of conductive fibreboard 1.4mm thick
 reinforced with metal hoop at top
 very sturdy, will last for years
 labelled with ESD logo
 $10^5 - 10^9 \Omega$
 standard sizes

EN



ALL W x H x L	CODE	UNIT
30 x 610mm	K021	each
40 x 610mm	K022	each

DIPOLE STRAP



designed to use in an EPA
 used to bundle tubes, boxes and other items
 made of conductive Velcro™ loop and
 conventional black hook
 $10^5 \Omega$
 25mm wide, several lengths
 hook section is always 5cm long only

EN



LENGTH	CODE	UNIT
1000	L883	each
1500	L884	each
2000	L885	each

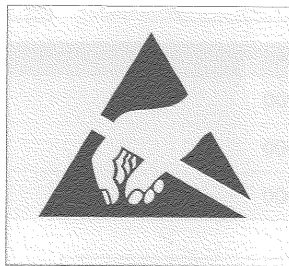
Other lengths are made to order

ESD LABELS AND TAPE

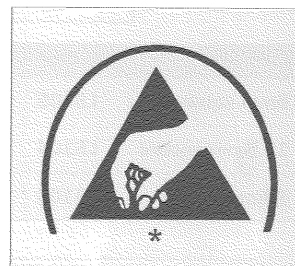
EN 61340-5 requires all electrostatic discharge sensitive devices and assemblies to be labelled with the 'susceptibility' symbol shown below. It stipulates that ESD protective packaging be labelled with the 'protection' symbol. We offer self-adhesive paper labels with either symbol in several sizes.

The best known ESD cautionary symbol consists of a yellow hand in the act of reaching, deleted by a bar, all within a black triangle. It is intended to identify devices and assemblies that are susceptible to ESD. It is now correctly used as follows:

- on individual components and related documents to state: "this device is static sensitive: do not touch without appropriate precautions"
- on assemblies and related documents to state "includes static sensitive components: take appropriate precautions"
- as part of a sign identifying an area where sensitive devices are handled, to warn all who approach it that precautions are required.



Susceptibility



Protection

The 'protection' symbol should appear on ESD protective products such as shielding bags and boxes as well as on portable items such as field service mats, trolleys and garments. In place of the asterisk, a letter indicating the primary function of the item may appear:

C - conductive, D - dissipative, L - low charging (previously known as astatic or antistatic), and S for shielding.

TIP!

- ❑ Shipping tubes have an antistatic coating which is degraded by the movement of the components inside the tubes. To reduce movement, use tubes of appropriate length.
- ❑ Dip Tubes are not a shielding packaging. They should be packed in shielding bags or moisture barrier bags when handled outside an EPA. See pages 87 and 88.

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Largest Supplier of Electrical and Electronic Components

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