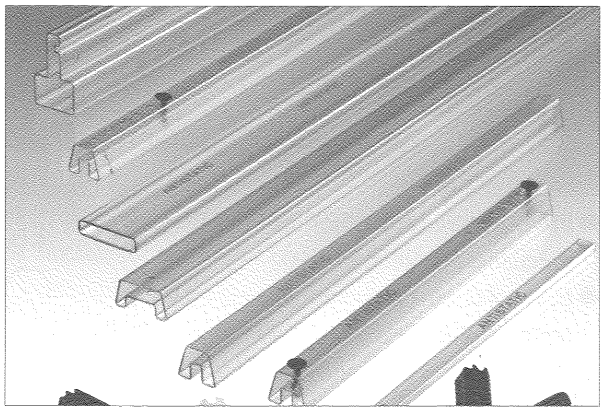
459 963 .

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

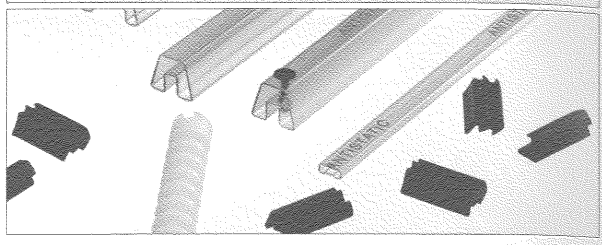


- Antistatic coated rigid PVC tubes, very low charging
- Offer good physical protection of components
- Standard lengths are 7", 11" and 20"
- Other profiles available, please inquire
- See below for end plugs or tacks

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

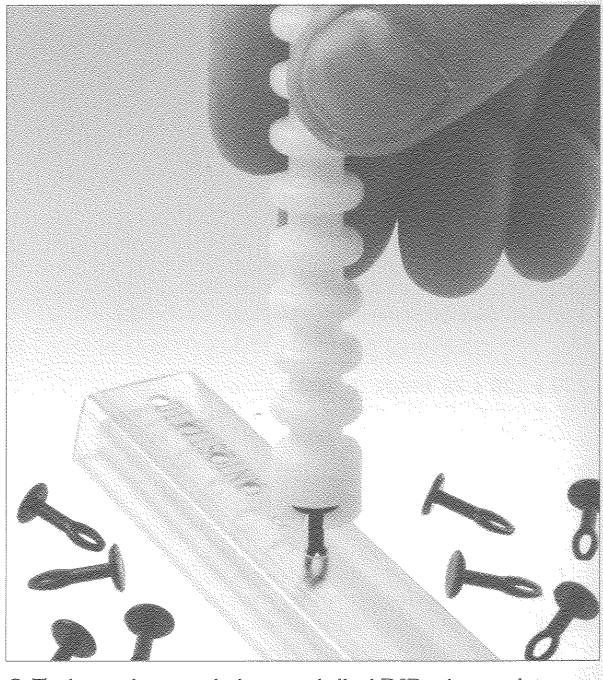


- Designed to fit our shipping tubes
- Made of black plastic. Other colours to order

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

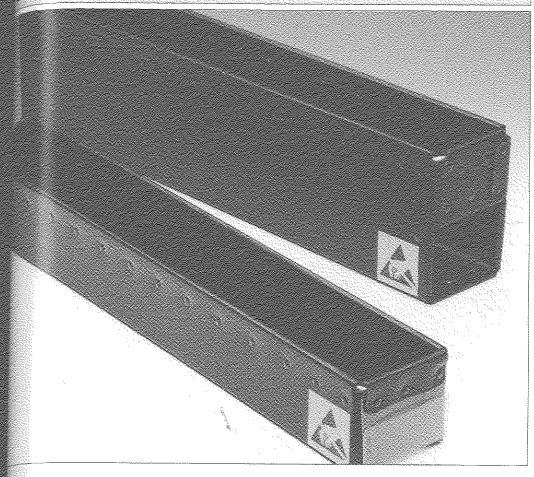
TACKS AND TACK EXTRACTOR



- 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**

PING TUBE HOLDER

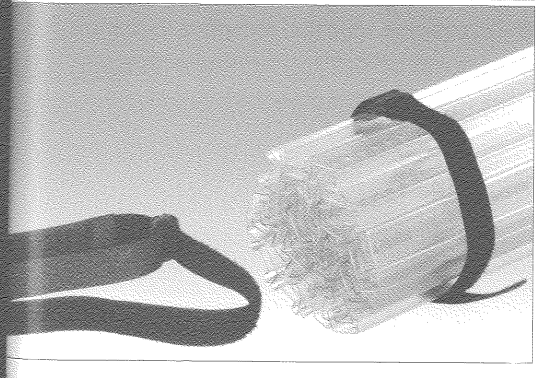


le of conductive fibreboard 1.4mm thick
nforced with metal hoop at top
y sturdy, will last for years
elled with ESD logo
10^3–$10^5\Omega$
standard sizes

EN

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

RO STRAP



to use in an EPA
d to bundle tubes, boxes and other items
de of conductive Velcro™ loop and
ventional black hook
$10^5\Omega$
m wide, several lengths
ok section is always 5cm long only

EN

LENGTH	CODE	UNIT
	L883	**each**
	L884	each
	L885	each

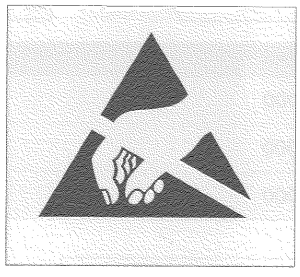
Other lengths are made to order

ESD LABELS AND TAPE

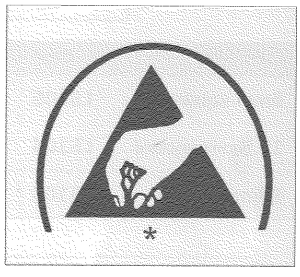
EN 61340-5 requires all electrostatic discharge sensitive devices and assemblies to be labelled with the 'susceptibility' symbol shown below. It stipulates that ESD protective packaging be labelled with the 'protection' symbol. We offer self-adhesive paper labels with either symbol in several sizes.

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.*