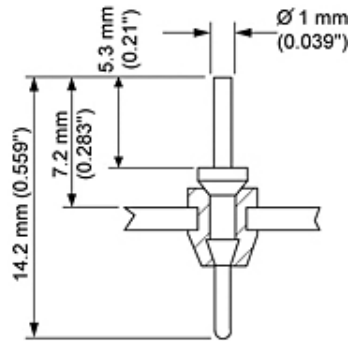


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Item # 136/LP, Barb Cone Lock® PTFE Insulated Terminals

List Price QUOTE



Barb Cone Lock® PTFE Insulated Terminals

Features

- Simple economical assembly.
- Self-retaining mechanism.
- Rapid assembly.
- High insulation resistance.
- Low capacitance.
- Pressure Sealing.

Application

- Chassis mounting insulated stand off and lead through terminals.
- Pressure bulkhead feedthrough sealing applications.

[SPECIFICATIONS](#) · [DESCRIPTION& NBSP;](#) · [ASSEMBLY PROCEDURE](#)

SPECIFICATIONS

Type	136 Range
Mounting Hole Diameter ¹	3.45 mm 0.136 in
Chassis Thickness	1.2 to 1.6 mm 0.047 to 0.063 in
Max. Outside Diameter of Bush	4.7 mm 0.185 in
Current Rating	5.0 A
Environmental Sealing	Standard
Rated Voltage at Sea Level	2.0 kV DC
Proof Voltage at Sea Level	5.5 kV DC
Max. Capacitance	0.8 pF
Spill Material	Brass
Bush Material	High dispersion grade PTFE

Finishes Spill Material	Standard silver, other finishes available on request
Finishes Bush Material	Colours available: white, black and red
Insulation Resistance	$> 2 \times 10^6 \text{ M}\Omega$
Climatic Category	-55 to +125 °C, 56 days damp heat (IEC 68:55/125/56)

1 Tolerance $\pm 0.05 \text{ mm}/0.002 \text{ in}$

DESCRIPTION&NBSP;

Oxley Developments designed the Barb Cone Lock® technology. They are constructed from PTFE and have an elastic property which allows the barbed metal spill to lock itself in place by gently expanding the PTFE underneath the chassis during insertion. This ensures a long life, stable fixing in the chassis which is a fundamental part of the product's success.

The product has seen use in a whole host of applications from the military, nuclear and space industries to the medical and telecommunications industries. There is a vast range of types and styles to suit a variety of hole sizes and chassis thicknesses. There are also the "CEEL" high sealing versions for use in applications involving vacuums and differential pressures.

The spills are precision turned, high specification brass material with a silver plating finish as standard. Other finishes are available on request.

We also have the capability to manufacture Barb Cone Locks® in a variety of exotic metals for thermocouple applications.

ASSEMBLY PROCEDURE

1. Ensure holes are within tolerance and deburred.
2. Place bush into hole supporting the chassis underneath and using the appropriate assembly tool, press the spill slowly through the bush until the positive detent action firmly locks the assembly into place.