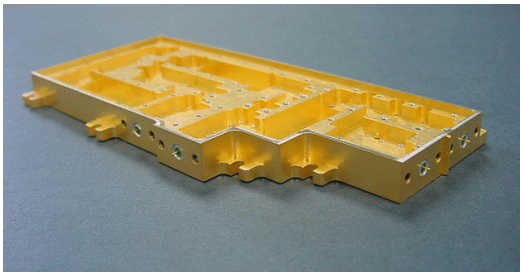
SPECIAL HERMETIC PRODUCTS, INC.
Hi-Rel By Design

39 Souhegan Street - P.O. Box 269, Wilton, New Hampshire 03086
TEL (603) 654-2002 FAX (603) 654-2533
email: sales@shp-seals.com - website: www.shp-seals.com

ISO 9001 Certified

CUSTOM HERMETIC HOUSINGS



SHP is unmatched in knowledge and experience in custom hermetic packaging. We offer the broadest array of hermetic feedthru devices in the industry for use in various packaging materials. With our proven design capability, combined with extensive experience in the RF and microwave packaging fields, we provide valuable, efficient guidance and support to all of our customers on all levels. Contact us today for free consulting on any design challenge you may have.

HOUSING MATERIALS	CONSTRUCTION METHODS			
	Glassed	Soldered	Welded	Combination
Aluminum	-	X	X	X
Steels	X	X	-	X
Stainless Steels	-	X	X	X
Iron Nickel Alloys	X	X	X	X
CE-Alloys	-	X	-	-
Titanium	-	X	-	-
Copper	-	X	-	-
Brass	-	X	-	-

FINISHES

- Gold per MIL-DTL-45204
- Nickel per SAE AMS-C-26074
- Nickel per QQ-N-290
- Chemical conversion coat per MIL-C-5541, Class 3
- Other plating available

FEEDTHRU DEVICES

- RF
- DC
- Capacitors
- Headers
- Connectors

SOLDERS

(Per IPC/EIA J-STD-006)

- Sn62
- Sn63
- Sn96
- Sb5

SPECIFICATIONS

- Leak rate up to 1 x 10^{-8} cc/sec @ 1 atm (He) per MIL-STD-202, MIL-STD-883
- Thermal shock per MIL-STD-202
- Heat resistance to 200° C
- Solderability per MIL-STD-202, MIL-STD-883
- Lead integrity per MIL-STD-883

SERVICE OPTIONS

We can help you in many ways!

- We will optimize your design for our feedthru devices
- We will provide optional approaches.

  ⇒ Turnkey housing
  ⇒ Parts and assembly of your supplied plated housing
  ⇒ Parts, plating and assembly of your supplied housing

We thoroughly review fabrication/assembly for all possible risks before order is placed, assuring the success of the manufacture of your housing.