

## Specifications

Soldering Temperature: 250° C, maximum



Figure 1. VP100B Shrouds

# Anritsu

## VP Shroud to Microcircuit Interface VP100B

### 1. Tools and Materials

These tools and materials are needed to install the VP100B Shroud.

Name	Vendor and Model/Part Number
Stereo Microscope, .07-30X	Bausch & Lomb, Stereo Zoom 4
Torque Screwdriver, 2 in-lb.	Mountz <sup>1</sup> , PN: 020075
Torque Screwdriver Adapter	Anritsu, 01-502
Retaining Adhesive	Loctite <sup>2</sup> , 609

### 2. Machining Dimensions

The shroud mounting hole machining dimensions are shown in Figure 3.

### 3. Installing the Shroud into the Housing

- Apply one drop of Loctite 609 retaining adhesive onto the threads of the shroud.
- Thread the shroud into the housing hole by hand to be sure the threads are started properly.
- Attach the torque screwdriver to the 01-502 adapter (Figure 2) with the ¼" socket and torque the shroud to 0.23 Newton-meters (2.0 in-lb.).



Figure 2. 01-502 Torque Screwdriver Adapter

### 4. Connecting to the Substrate

#### NOTE

Figure 3 shows an installation using microstrip. The VP100B can be used to attach to any sort of microcircuit configuration by using different backside interface details.

- Install the microcircuit in the housing and secure as required by the design. Make sure the center pin is properly aligned with the circuit trace.
- The recommended gap between the substrate and the connector is 0.05 mm for a 10-mil alumina substrate with a 10-mil trace width.
- Following the instructions included with the V110-1 Stress Relief Contact, install a contact onto the shroud center pin.
- Attach the connecting tab to the circuit trace using parallel gap welding.

<sup>1</sup> Mountz, 1-800-456-1828

<sup>2</sup> Loctite is a trademark of Loctite Corp.

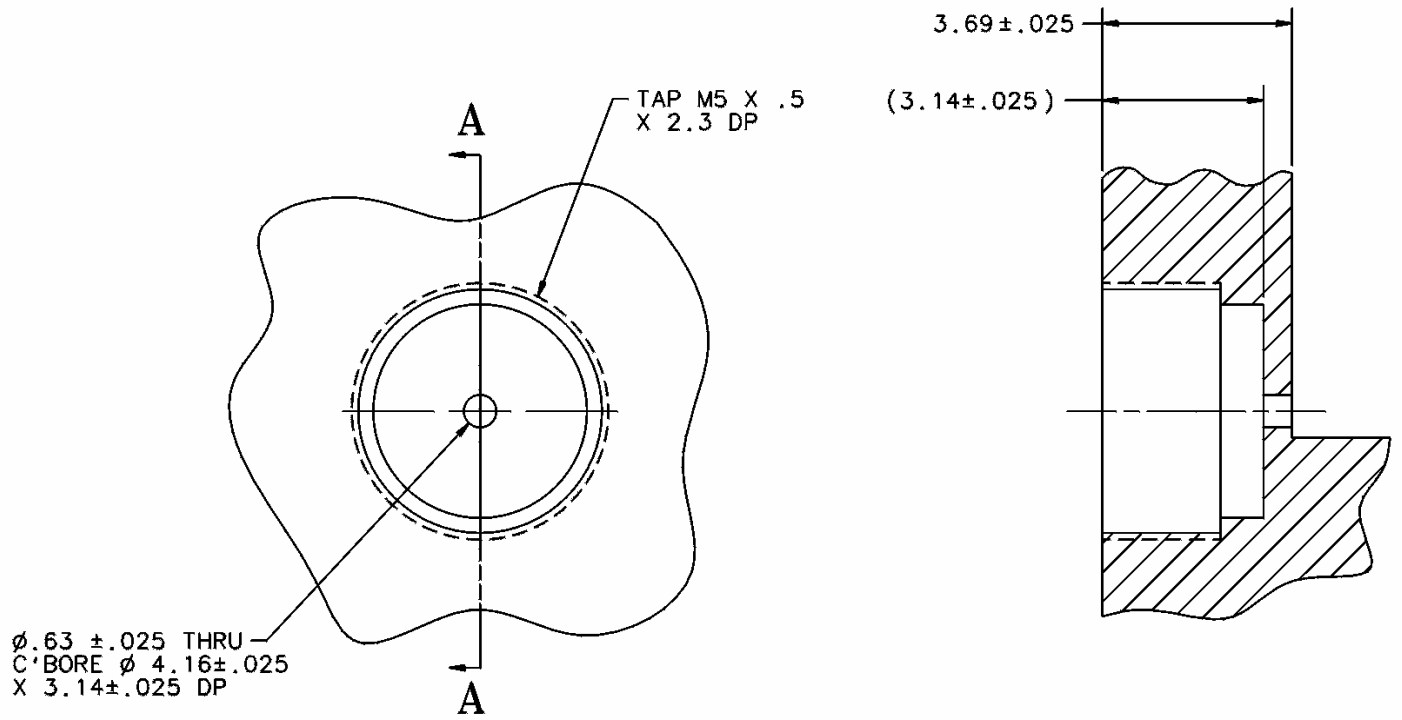


Figure 3. VP100B Mounting Hole Dimensions and Assembly Drawing

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