

Figure 1

1. INTRODUCTION

This instruction sheet covers the assembly procedures for the OPTIMATE ADM Kit 5501474-[] used with 2.5 mm Bayonet Fiber-Optic Connectors.

Refer to Instruction Sheet 408-9645 for information on OPTIMATE 2.5 mm Bayonet Ceramic Connector Kits and Coupling Receptacle Kit 501381-1.



All dimensions are in millimeters. Figures and illustrations are for reference only and are not drawn to scale.

Reason for revision may be found in Section 4, REVISION SUMMARY.

2. DESCRIPTION (Figure 1)

ADMs house active devices such as sources and detectors, and mate with them with optical fibers that are terminated with 2.5 mm bayonet connectors.

The ADM kit includes the following parts:

- Active device mount
- Lockwasher
- Hex nut
- Protective Cap
- Mounting screws, 2 long, 2 short (not on -3 part)
- Active device alignment ring

The ADM can be mounted horizontally or vertically on a printed circuit (pc) board using the screws, or it can be mounted in a panel using the lockwasher and nut. The alignment ring fits around the active device to center it in the ADM.

Active devices which can be used with the ADM are TO-52, TO-18, and TO-46. A cutout in the ADM matches the tab on the active device to provide consistent orientation of the device in the ADM. Figure 2 provides dimensional information for the ADM that is required for planning pc board layouts or panel cutouts.

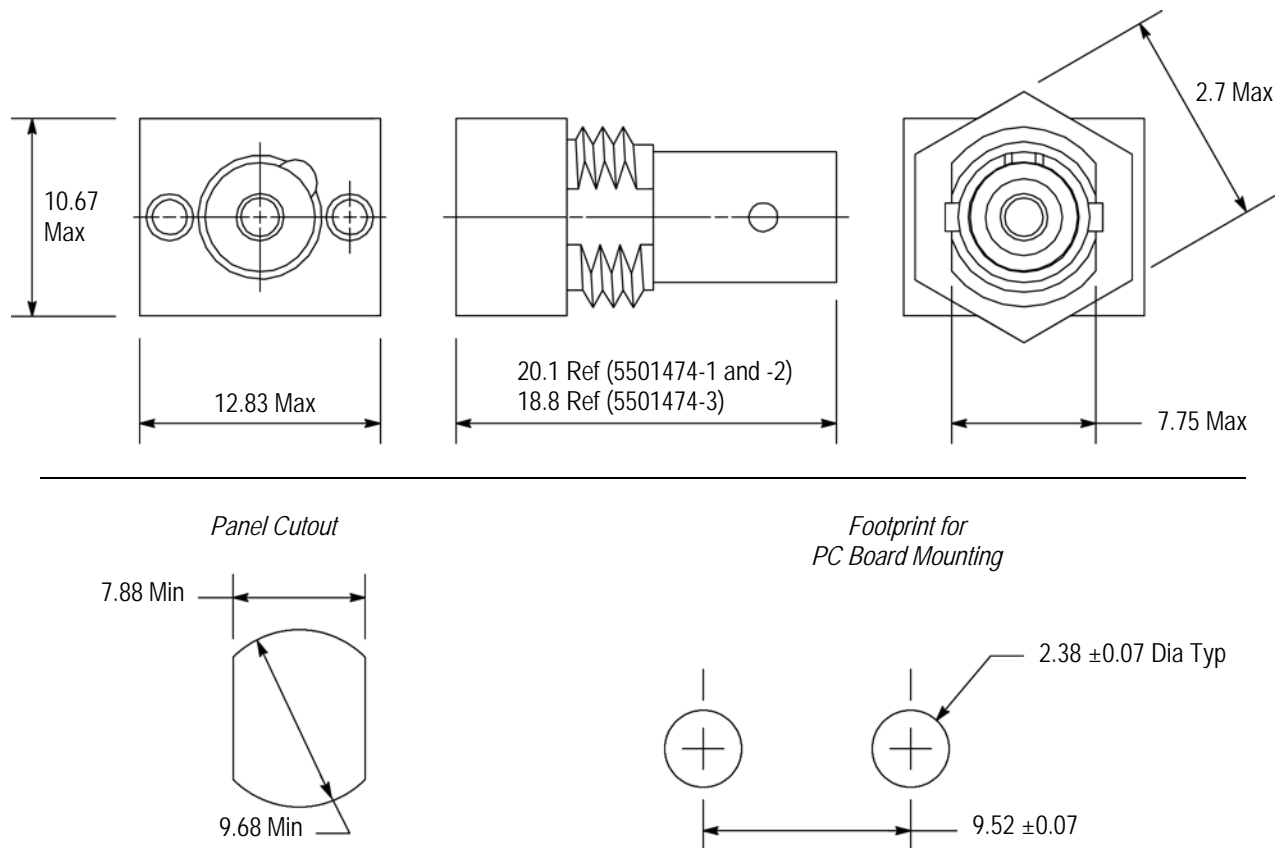
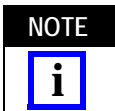


Figure 2

3. ASSEMBLY AND INSTALLATION



If the ADM is to be mounted vertically on the pc board as shown in Figure 1, mount the active device in the ADM before the ADM is fastened to the pc board. If the device is to be mounted horizontally on the pc board (Figure 1), the active device may be mounted in the ADM before or after the ADM is fastened on the pc board.

1. Place the alignment ring around the active device.
2. Insert the device into the rear of the ADM. Make sure the tab on the device lines up with the cutout in the ADM.
3. Secure the ADM to the pc board as follows:
 - a. PC Board Mounting
 - 1) Prepare the pc board as required for the device and the ADM. See Figure 2.
 - 2) Secure the ADM to the pc board using two screws. Refer to Figure 3 and select the proper screw length.

| PC BOARD THICKNESS | SCREW LENGTH [†] | |
|--------------------|---------------------------|---------------------|
| | VERTICAL MOUNTING | HORIZONTAL MOUNTING |
| 1.58 | 4.76 Short | 4.76 or 6.45 |
| 3.17 | 6.35 | |

[†] Except 5501474-3 (no screws supplied with part)

Figure 3

- b. Panel Mounting
 - 1) Prepare the panel cutout. See Figure 2.
 - 2) Secure the ADM to the panel using the lockwasher and nut. See Figure 1.
4. Install the protective cap if a connector will not be mated to the ADM immediately.

4. REVISION SUMMARY

Since the previous version of this document, the following changes were made:

- Removed references to discontinued parts.
- Clarified parts content (no screws for -3 part)
- Updated document to corporate requirements.