

Figure 1

1. Introduction

The OnQ 16 dB Video Engine Module, part number 364523-01, provides amplification of CATV or Off Air TV signals and the combining of auxiliary input signals for distribution on the coaxial cable network throughout the house. The 16 dB Video Engine is intended for larger systems with up to 16 drops on a passive distribution network. The 16 dB Video Engine has a built-in reverse path amplifier to allow Cable modems and set top boxes to send signals back to the head-end from any port on the network. The modules can be mounted in any OnQ Service Center Enclosures.

2. Description

The 16 dB Video Engine Module has vertical access, “F”-style fittings for connecting incoming CATV, Auxiliary, and outgoing cables. The module has “F”-style fittings to connect a 10 VDC power source (see **Figure 1**). The module has an LED power indicator located near the Power port. The module is a half wide three-inch module, however it is recommended to allocate 6 inches of rail space to accommodate cables. The forward band is 54-1000 MHz and is amplified +16 dB. The reverse path is 5 –42 MHz and is amplified +16 dB. Module includes power supply. Overall dimensions are 6.42 (W) x 3.00 (L) x 3.00 (H).

3. Installation (see Figure 2)

A. Mounting in enclosure

1. Align tabs on module with slots on rail of enclosure.
2. Insert tabs by angling module away from the back of the enclosure and sliding forward.
3. Rotate the module and insert fasteners on module into corresponding holes on rail of enclosure. (Plunger must be in the pulled out position for fastener to engage hole).
4. Push plunger in to lock module in place. Pull on module to assure module is locked properly in place.

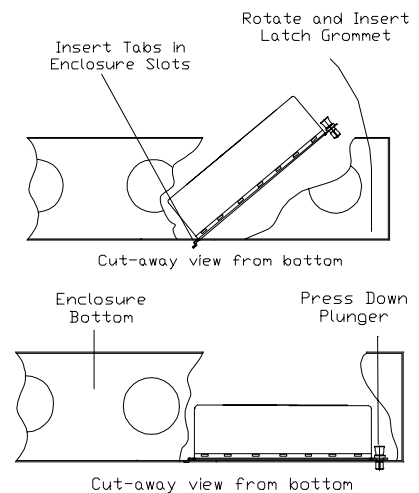


Figure 2

Note: Do not bend cable in less than a 2-inch radius.

B. Service Connection (see **Figure 3**)

1. Mount the Video Engine directly below an OnQ passive video module.
2. Identify incoming service cable(s) and route to "CATV IN" and "AUX IN" fittings on module.
3. Attach an RG-6 F-connector to the cable. Connect to fitting on module and finger-tighten.
4. Attach supplied jumper from "OUT ROOM" on Video Engine to cable input of passive video module.
5. Connect power supply.

Figure 3

