



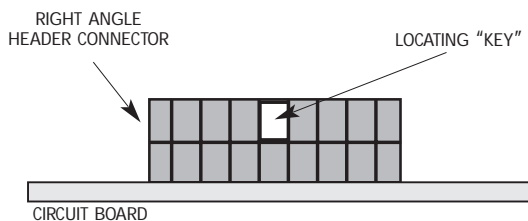
Supplied CM12L Filter Module

Product Description: The CM12L is a 12 dB per octave low pass filter network. This supplied module is designed to be plugged into any accessory port tower on the 301a amplifier. Frequency adjustment is via a 12 pin, plug-in resistor SIP (*Single In-line Package*). A 90 Hz SIP is factory installed and an additional 13 crossover frequency SIPs are available from your Authorized Xtant Dealer.

Adding Accessory Modules: The 301a is equipped with three accessory docking ports. Two ports are dedicated to the amplifier and are labeled *Amp Vert/Horiz Acc. Port* and *Amp Vert. Acc. Port*. The third is dedicated to the RCA output signal and is labeled *Line Out Vert. Acc. Port*. Xtant offers two types of accessory modules which are designed for either “Horizontal” or “Vertical” mounting. The docking port labeled *Amp Vert/Horiz Acc. Port* will accept any of the modules, while the ports labeled *Vert* will only accept modules designed for vertical mounting. The following is a list of Xtant Accessory Modules including their “Horizontal” or “Vertical” mounting design:

XTANT ACCESSORY MODULES

| <u>Model</u> | <u>Function</u> | <u>Mounting</u> | <u>Model</u> | <u>Function</u> | <u>Mounting</u> |
|--------------|-----------------|-----------------|--------------|-----------------|-----------------|
| CM 24x | Xover | Horizontal | CM12H | Xover | Vertical |
| PQM 1 | EQ | Horizontal | CM12L | Xover | Vertical |
| LFQ 45 | Bass EQ | Vertical | NGM 1 | Noise Gate | Horizontal |
| RGM 1 | Remote Gain | Vertical | | | |



Installation: The CM12L installs on any of the three accessory port towers located on the 301a’s printed circuit board. Simply remove the port jumpers and plug the module in vertically. Be sure to observe the orientation of the “keyed” right angled header connector before attempting to insert the CM12L onto a port tower.

Applications: The CM 12L filter module may be used alone or in combination with other Xtant modules. Here are a few examples of how the CM 12L Module may be applied:

- Low Pass Amp:** CM12L in *Amp Vert. Acc. Port*.
- Low Pass RCA Out:** CM12L in *Line Out Vert. Acc. Port*
- Low Pass + EQ Amp:** CM12L in *Amp Vert. Acc. Port* plus PQM 1 EQ in *Amp Vert/Horiz Acc. Port*
- Band Pass Amp:** CM12L in *Amp Vert/Horiz Acc. Port*. plus CM12H (High Pass) for amp in *Amp Vert. Acc. Port*
- 24 dB High Pass for Amp:** 2 – CM12L set at same frequency in *Amp Vert. Acc. Port* and *Amp Vert/Horiz Acc. Port*

