Mini-Modulators, Mini-Demodulators & Chassis

**MPCM45 SAW Filtered Single Channel A/V Mini-Modulator**
- 45dBmV minimum output for a 66dB in-band carrier to noise ratio provides superior picture quality
- 125 Channel Frequency Range 54~806MHz (CATV 2~13, A1~A5, A~ZZZ, 89~125, UHF 14~69)
- SAW (surface acoustic wave) filtered for superior adjacent channel performance enables drop-in channel expansion
- BTSC stereo compatible pre-emphasis disable switch provides pass-through for stereo signals
- Front panel access controls enables easy setup
- Single-slot design allows up to 12 or 16 units in Pico Macom’s MPC-12, MPC-12R and MPC-16PS/CS chassis
- IRC and HRC offsets available for frequency settings in systems using offset channels
- Compatible with most manufacturers’ mini-modulator chassis
- Optional PAL format channels available
- Nickel plated precision brass threads

**MPCMA SAW Filtered A/V Mini-Modulator**
- 45dBmV minimum output for a 63dB in-band carrier to noise ratio provides superior picture quality
- 135 Channel Frequency Range 54~860MHz (CATV 2~13, A1~A5, A~ZZZ, 89~135, UHF 14~69)
- Agile microprocessor control enables quick digital push-button channel selection for ease of installation, configuration and improved system uptime
- SAW (surface acoustic wave) filtered for superior adjacent channel performance enables drop-in channel expansion
- BTSC stereo compatible pre-emphasis disable switch provides pass-through for stereo signals
- Three-digit LED display provides quick channel identification
- Non-volatile memory ensures channel programming remains after power loss
- IRC and HRC offsets available for frequency settings in systems using offset channels
- Compatible with most manufacturers’ mini-modulator chassis
- PAL option available for international operation

**MPCD Agile A/V Mini-Demodulator**
- 125 Channel Frequency Range 54~806MHz (CATV 2~13, A1~A5, A~ZZZ, 89~125, UHF 14~69)
- Agile microprocessor control with push-button channel selection provides ease of installation, configuration and servicing
- SAW filtered for precise adjacent channel rejection
- >60dB signal to noise ratio for crisp, sharp picture
- Digital display provides quick channel identification
- Non-volatile memory ensures channel programming remains after power loss
- Single-slot design allows up to 12 or 16 units in Pico Macom’s MPC-12, MPC-12R and MPC-16PS/CS chassis
- Fully compatible with most other manufacturers’ “mini-mod” chassis
**Mini-Modulators, Mini-Demodulators & Chassis**

**MPC-12 / MPC-12C 12-Slot Universal Mini-Mod Chassis & Power Supply**
MPC-PSF12/16 Universal Power Supply Module

- High capacity fully regulated power supply provides the most efficient performance, ensuring reliability over a wide range of environmental conditions
- High efficiency power supply (over 70%) equipped with cooling fan minimizes power consumption and heat dissipation
- Current overload protection prevents damage to system and prolongs power supply life
- Internal fusing circuitry provides current overload protection and precise voltage regulation, preventing component damage

**MPC-BP Universal Chassis Blank Plate**

- Blocks escape of cool air when used with forced air ventilation systems
- Provides uniform look when not all module slots are filled
- Slides easily into Pico Macom mini-chassis systems and those of other manufacturers

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Capacity</td>
<td>12</td>
</tr>
<tr>
<td>Input Voltage Range</td>
<td>90-240 VAC</td>
</tr>
<tr>
<td>Input Voltage Frequency</td>
<td>47 - 63 Hz</td>
</tr>
<tr>
<td>Power Required</td>
<td>68 Watts Each</td>
</tr>
<tr>
<td>Output Volt. (V1) @ 4A</td>
<td>5 VDC</td>
</tr>
<tr>
<td>Output Volt. (V2) @ 4A</td>
<td>12 VDC</td>
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<tr>
<td>Efficiency</td>
<td>70%</td>
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<tr>
<td>Line Load Regulation</td>
<td>±1%</td>
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<tr>
<td>Minimum Load</td>
<td>10%</td>
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<tr>
<td>Video Input Connector</td>
<td>75 F-Female</td>
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<tr>
<td>Audio Input Connector</td>
<td>5K F-Female Unbalanced</td>
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<tr>
<td>RF Output Connector</td>
<td>75 F-Female</td>
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<tr>
<td>UR Listed Power Supply</td>
<td>Yes</td>
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<tr>
<td>Operating Temperature</td>
<td>10-50°C</td>
</tr>
<tr>
<td>Dimensions (L x D x H)</td>
<td>MPC-12/12C 19&quot; x 7.5&quot; x 3.5&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>MPC-12 7.8 lbs</td>
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<tr>
<td></td>
<td>MPC-BP 0.4 lbs</td>
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</tbody>
</table>

### Ordering Information

- **MPC-12** 12 Slot Universal Mini-Mod Chassis and Power Supply
- **MPC-12C** 12 Slot Universal Mini-Mod Chassis Only
- **MPC-BP** Universal Chassis Blank Plate
- **MPC-PSF12/16** Universal Power Supply