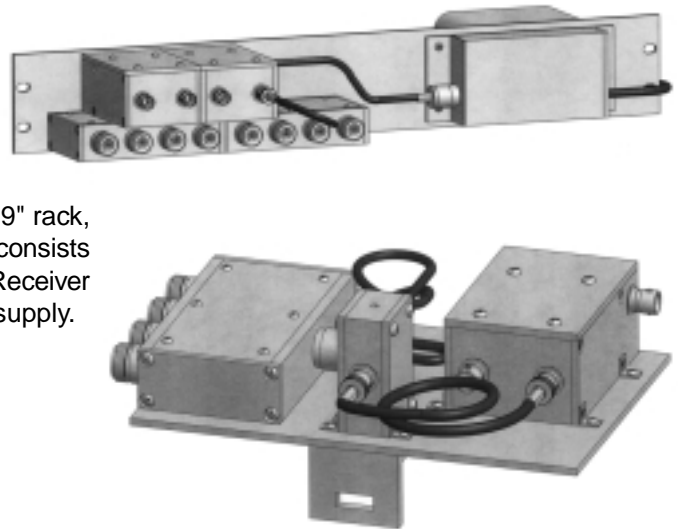


CP XRM-FF-PP Series

Comprod Xpandable Receiver Multicouplers are simple and compact. They are available in 2, 4, 8, 12, and 16 port configurations. This is an affordable means of combining multiple Rx frequencies onto the same antenna. We offer three mounting versions: our standard 19" rack, a tray-mounted and a cavity-mounted version. Each unit consists of a power splitter and an RF amplifier. Every Xpandable Receiver multicouplers has the available optional plug-in power supply.



- **Design**
 - Simple and Cost Effective
- **Mounting**
 - 19" Rack Mount (RM)
 - Cavity Mount (CM)
 - Tray Mount (TRM)
- **Optional Power Supply (PS)**

| Electrical Specifications | XRM-13-02 | XRM-13-04 | XRM-13-08 | XRM-13-16 |
|-----------------------------|----------------|----------------|----------------|----------------|
| Frequency Range, MHz | 138-225 | 138-225 | 138-225 | 138-225 |
| Pass Band, MHz | 3-8 | 3-8 | 3-8 | 3-8 |
| # of Channels | 2 | 4 | 8 | 16 |
| Rx/Rx Isolation, dB | 20+ | 20+ | 20+ | 20+ |
| System Voltage, VDC | 12-15 | 12-15 | 12-15 | 12-15 |
| Amplifier Gain, dB | 30+ | 30+ | 30+ | 30+ |
| Amplifier Noise Figure, dB | 3.0 | 3.0 | 3.0 | 3.0 |
| Amplifier Bias Voltage, VDC | 13.6 | 13.6 | 13.6 | 13.6 |
| Amplifier Current Draw, mA | 200 | 200 | 200 | 200 |
| Nominal Impedance, Ohms | 50 | 50 | 50 | 50 |
| Max. VSWR | 1.25:1 | 1.25:1 | 1.25:1 | 1.25:1 |
| Temperature | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C |

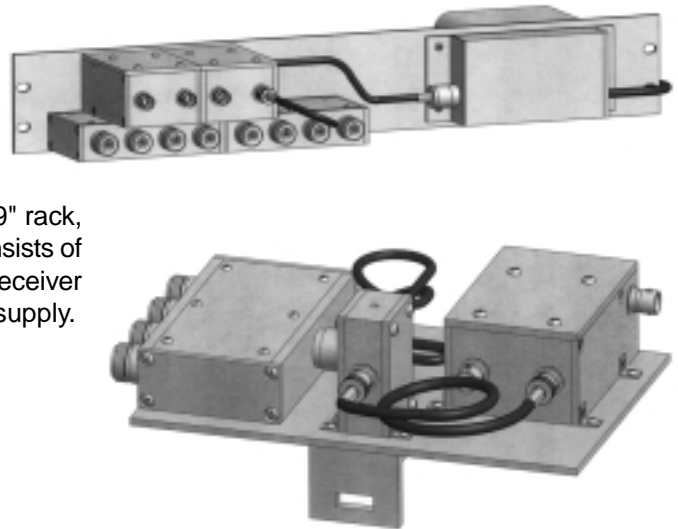
| Mechanical Specifications | | | | |
|---------------------------|---------|---------|---------|---------|
| Mounting | RM / CM | RM / CM | RM / CM | RM / CM |
| Connectors | BNC / N | BNC / N | BNC / N | BNC / N |
| Weight, lbs | 12 | 12 | 12 | 12 |

| Order Information | Rack Mount | Cavity Mount | Tray Mount | Power Supply |
|-------------------|-------------|--------------|--------------|--------------|
| XRM-13-02 | XRM-13-02RM | XRM-13-02CM | XRM-13-02TRM | XRM-13-02PS |
| XRM-13-04 | XRM-13-04RM | XRM-13-04CM | XRM-13-04TRM | XRM-13-04PS |
| XRM-13-08 | XRM-13-08RM | XRM-13-08CM | XRM-13-08TRM | XRM-13-08PS |
| XRM-13-16 | XRM-13-16RM | XRM-13-16CM | XRM-13-16TRM | XRM-13-16PS |

FILTERS

CP XRM-FF-PP Series

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- **Design**
 - Simple and Cost Effective
- **Mounting**
 - 19" Rack Mount (RM)
 - Cavity Mount (CM)
 - Tray Mount (TRM)
- **Optional Power Supply (PS)**

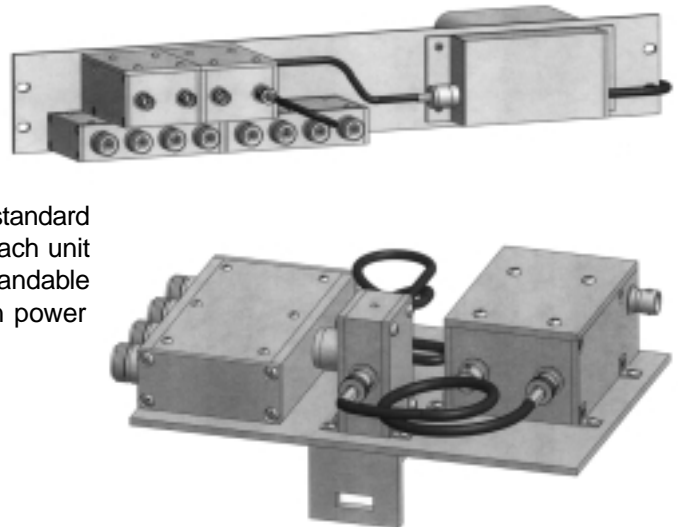
| Electrical Specifications | XRM-30-02 | XRM-30-04 | XRM-30-08 | XRM-30-16 |
|-----------------------------|----------------|----------------|----------------|----------------|
| Frequency Range, MHz | 300-512 | 300-512 | 300-512 | 300-512 |
| Pass Band, MHz | 3-10 | 3-10 | 3-10 | 3-10 |
| # of Channels | 2 | 4 | 8 | 16 |
| Rx/Rx Isolation, dB | 23+ | 23+ | 23+ | 23+ |
| System Voltage, VDC | 12-15 | 12-15 | 12-15 | 12-15 |
| Amplifier Gain, dB | 30+ | 30+ | 30+ | 30+ |
| Amplifier Noise Figure, dB | 3.0 | 3.0 | 3.0 | 3.0 |
| Amplifier Bias Voltage, VDC | 13.6 | 13.6 | 13.6 | 13.6 |
| Amplifier Current Draw, mA | 200 | 200 | 200 | 200 |
| Nominal Impedance, Ohms | 50 | 50 | 50 | 50 |
| Max. VSWR | 1.25:1 | 1.25:1 | 1.25:1 | 1.25:1 |
| Temperature | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C |

| Mechanical Specifications | | | | |
|-----------------------------|---------|---------|---------|---------|
| Mounting | RM / CM | RM / CM | RM / CM | RM / CM |
| Connectors (Input / Output) | BNC / N | BNC / N | BNC / N | BNC / N |
| Weight, lbs | 12 | 12 | 12 | 12 |

| Order Information | Rack Mount | Cavity Mount | Tray Mount | Power Supply |
|-------------------|-------------|--------------|--------------|--------------|
| XRM-30-02 | XRM-30-02RM | XRM-30-02CM | XRM-30-02TRM | XRM-30-02PS |
| XRM-30-04 | XRM-30-04RM | XRM-30-04CM | XRM-30-04TRM | XRM-30-04PS |
| XRM-30-08 | XRM-30-08RM | XRM-30-08CM | XRM-30-08TRM | XRM-30-08PS |
| XRM-30-16 | XRM-30-16RM | XRM-30-16CM | XRM-30-16TRM | XRM-30-16PS |

CP XRM-FF-PP Series

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- **Design**
 - Simple and Cost Effective
- **Mounting**
 - 19" Rack Mount(RM)
 - Cavity Mount (CM)
 - Tray Mount (TM)
- **Optional Power Supply (PS)**

| Electrical Specifications | XRM-80-02 | XRM-80-04 | XRM-80-08 | XRM-80-16 | XRM-80-32 |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|
| Frequency Range, MHz | 806-896 | 806-896 | 806-896 | 806-896 | 806-896 |
| Pass Band, MHz | 3-18 | 3-18 | 3-18 | 3-18 | 3-18 |
| # of Channels | 2 | 4 | 8 | 16 | 32 |
| Rx/Rx Isolation, dB | 23+ | 23+ | 23+ | 23+ | 23+ |
| System Voltage, VDC | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 |
| Amplifier Gain, dB | 28+ | 28+ | 28+ | 30+ | 30+ |
| Amplifier Noise Figure, dB | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Amplifier Bias Voltage, VDC | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| Amplifier Current Draw, mA | 200 | 200 | 200 | 200 | 200 |
| Nominal Impedance, Ohms | 50 | 50 | 50 | 50 | 50 |
| Max. VSWR | 1.25:1 | 1.25:1 | 1.25:1 | 1.25:1 | 1.25:1 |
| Temperature | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C |

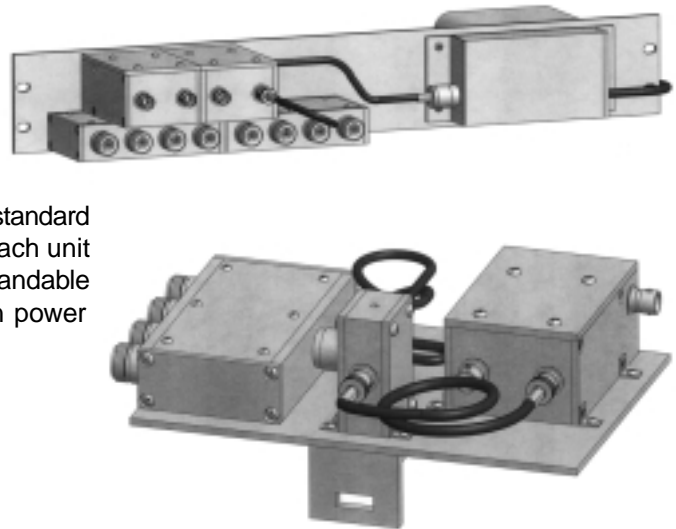
| Mechanical Specifications | | | | | |
|---------------------------|---------|---------|---------|---------|---------|
| Mounting | RM / CM | RM / CM | RM / CM | RM / CM | RM / CM |
| Connectors | BNC / N | BNC / N | BNC / N | BNC / N | BNC / N |
| Weight, lbs | 12 | 12 | 12 | 12 | 12 |

| Order Information | Rack Mount | Cavity Mount | Tray Mount | Power Supply |
|-------------------|-------------|--------------|--------------|--------------|
| XRM-80-02 | XRM-80-02RM | XRM-80-02CM | XRM-80-02TRM | XRM-80-02PS |
| XRM-80-04 | XRM-80-04RM | XRM-80-04CM | XRM-80-04TRM | XRM-80-04PS |
| XRM-80-08 | XRM-80-08RM | XRM-80-08CM | XRM-80-08TRM | XRM-80-08PS |
| XRM-80-16 | XRM-80-16RM | XRM-80-16CM | XRM-80-16TRM | XRM-80-16PS |

FILTERS

CP XRM-FF-PP Series

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- **Design**
 - Simple and Cost Effective
- **Mounting**
 - 19" Rack Mount (RM)
 - Cavity Mount (CM)
 - Tray Mount (TRM)
- **Optional Power Supply (PS)**

| Electrical Specifications | XRM-90-02 | XRM-90-04 | XRM-90-08 | XRM-90-16 | XRM-90-32 |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|
| Frequency Range, MHz | 896-960 | 896-960 | 896-960 | 896-960 | 896-960 |
| Pass Band, MHz | 3-15 | 3-15 | 3-15 | 3-15 | 3-15 |
| # of Channels | 2 | 4 | 8 | 16 | 32 |
| Rx/Rx Isolation, dB | 23+ | 23+ | 23+ | 23+ | 23+ |
| System Voltage, VDC | 12-15 | 12-15 | 12-15 | 12-15 | 12-15 |
| Amplifier Gain, dB | 28+ | 28+ | 28+ | 28+ | 28+ |
| Amplifier Noise Figure, dB | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Amplifier Bias Voltage, VDC | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| Amplifier Current Draw, mA | 200 | 200 | 200 | 200 | 200 |
| Nominal Impedance, Ohms | 50 | 50 | 50 | 50 | 50 |
| Max. VSWR | 1.25:1 | 1.25:1 | 1.25:1 | 1.25:1 | 1.25:1 |
| Temperature | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C | -40°C to +60°C |

| Mechanical Specifications | | | | | |
|---------------------------|---------|---------|---------|---------|---------|
| Mounting | RM / CM | RM / CM | RM / CM | RM / CM | RM / CM |
| Connectors | BNC / N | BNC / N | BNC / N | BNC / N | BNC / N |
| Weight, lbs | 12 | 12 | 12 | 12 | 12 |

| Order Information | Rack Mount | Cavity Mount | Tray Mount | Power Supply |
|-------------------|-------------|--------------|--------------|--------------|
| XRM-90-02 | XRM-90-02RM | XRM-90-02CM | XRM-90-02TRM | XRM-90-02PS |
| XRM-90-04 | XRM-90-04RM | XRM-90-04CM | XRM-90-04TRM | XRM-90-04PS |
| XRM-90-08 | XRM-90-08RM | XRM-90-08CM | XRM-90-08TRM | XRM-90-08PS |
| XRM-90-16 | XRM-90-16RM | XRM-90-16CM | XRM-90-16TRM | XRM-90-16PS |