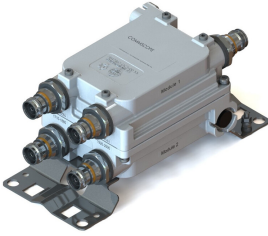


E12F03P88



Twin Diplexer, 1800/2100-2600, dc block all ports, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Twin configuration
- dc/AISG blocking on all ports (DC open)

Product Classification

Product Type Diplexer

General Specifications

Color Gray

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

RF Connector Interface Body Style Long neck

Dimensions

Height 86 mm | 3.386 in

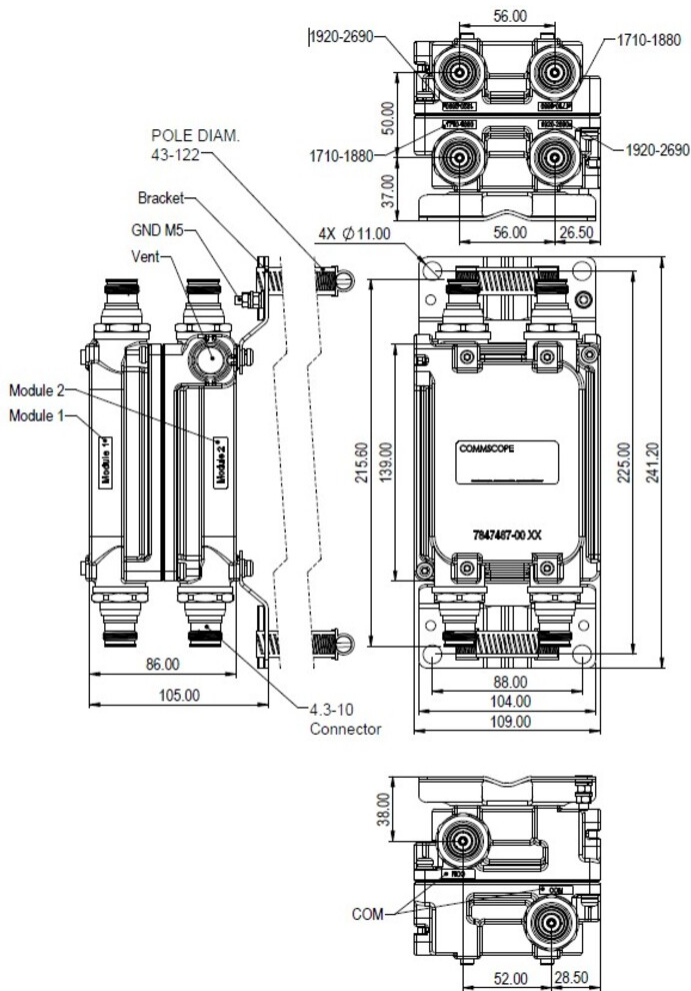
Width 109 mm | 4.291 in

Depth 139 mm | 5.472 in

Mounting Pipe Diameter Range 43–122 mm

Outline Drawing

E12F03P88



Electrical Specifications

| | |
|--------------------------------|---|
| Impedance | 50 ohm |
| License Band, Band Pass | DCS 1800 IMT 2100 IMT 2600 WCS 2300 |

Electrical Specifications, dc Power/Alarm

| | |
|--|-------------------------------|
| dc/AISG Pass-through Method | No dc/AISG pass-through |
| dc/AISG Pass-through, combiner | dc/AISG blocking on all ports |
| dc/AISG Pass-through, demultiplexer | dc/AISG blocking on all ports |
| Lightning Surge Current | 10 kA |
| Lightning Surge Current Waveform | 8/20 waveform |

Electrical Specifications

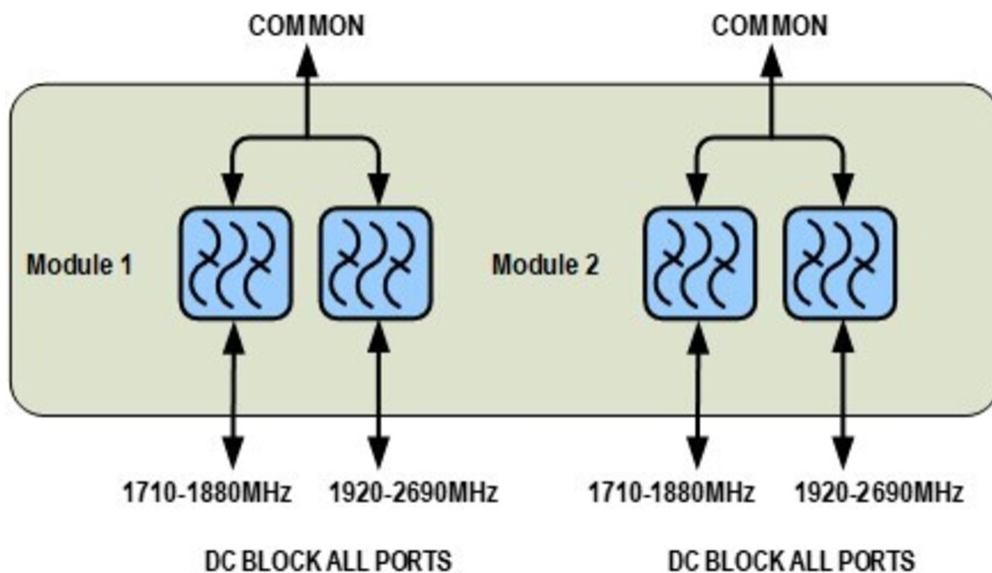
E12F03P88

| | | |
|-------------------------|---------------------|---|
| Sub-module | 1 2 | 1 2 |
| Branch | 1 | 2 |
| Port Designation | PORT 1 1710-1880 | PORT 2 1920-2690 |
| License Band | DCS 1800, Band Pass | IMT 2100, Band Pass WCS 2300, Band Pass IMT 2600, Band Pass |

Electrical Specifications, Band Pass

| | 1710-1880 | 1920-2690 |
|-------------------------------------|----------------------|----------------------|
| Frequency Range, MHz | | |
| Insertion Loss, typical, dB | 0.15 | 0.15 |
| Return Loss, typical, dB | 22 | 22 |
| Isolation, typical, dB | 40 | 40 |
| Input Power, RMS, maximum, W | 250 | 250 |
| Input Power, PEP, maximum, W | 1000 | 1000 |
| 3rd Order PIM, typical, dBc | -157 | -163 |
| 3rd Order PIM Test Method | Two +43 dBm carriers | Two +43 dBm carriers |

Block Diagram



Environmental Specifications

| | |
|----------------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +65 °C (-40 °F to +149 °F) |
| Corrosion Test Method | IEC 60068-2-11, 30 days |
| Environmental Test Method | ETSI EN 300 019-1-4 |

E12F03P88

Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Volume 1.3 L

Weight, with mounting hardware 2.3 kg | 5.071 lb

Weight, without mounting hardware 2.1 kg | 4.63 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system