

Twin Diplexer, 703-788/791-960 MHz, DC Pass on All port, 4.3-10 connectors

- Industry leading PIM performance
- Designed for network Modernization, introduction of LTE700 on existing site
- Twin configuration
- New 4.3-10 connectors for improved PIM performance and size reduction
- DC/AISG passing on all ports

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 StyleLong neck

Dimensions

 Height
 220 mm | 8.661 in

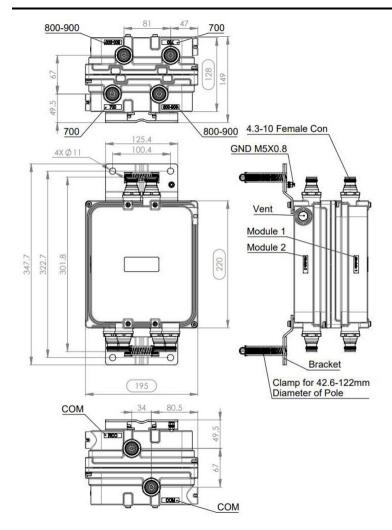
 Width
 195 mm | 7.677 in

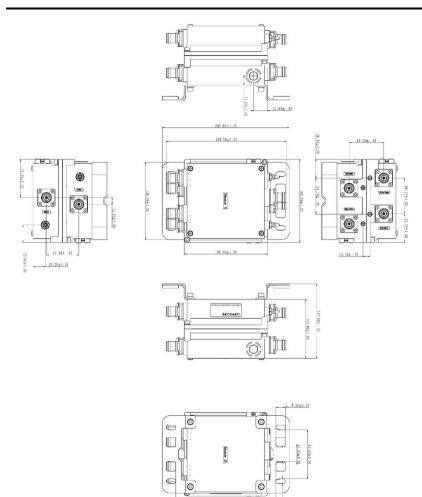
 Depth
 128 mm | 5.039 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing







Electrical Specifications

Impedance 50 ohm

License Band, Band Pass APT 700 | CEL 900 | EDD 800

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method Factory set

dc/AISG Pass-through PathBranch 1Branch 2dc/AISG Pass-through, combinerBranch 1Branch 1dc/AISG Pass-through, demultiplexerBranch 1Branch 1

Lightning Surge Current 10 kA

Lightning Surge Current Waveform 8/20 waveform



Electrical Specifications

Branch	1	2
Sub-module	1 2	1 2

 Port Designation
 703-788
 791-862 & 880-960

License Band

APT 700, Band Pass

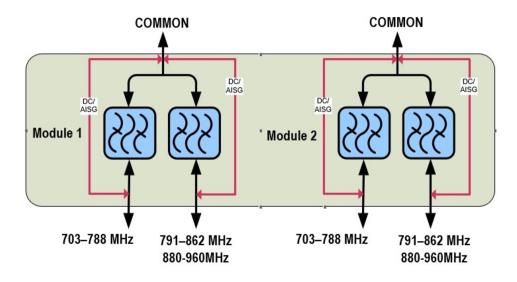
CEL 900, Band Pass

EDD 800, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	703-788	791-862 880-960
Insertion Loss, typical, dB	0.2	0.2
Return Loss, typical, dB	20	20
Isolation, minimum, dB	40	40
Input Power, RMS, maximum, W	150	150
Input Power, PEP, maximum, W	1000	1000
3rd Order PIM, typical, dBc	-162	-162
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C} \text{ to } +65 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +149 \,^{\circ}\text{F})$

Corrosion Test Method IEC 60068-2-11, 30 days



Environmental Test Method ETSI EN 300 019-1-4
Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Volume 5.5 L

Weight, net $5.8 \text{ kg} \mid 12.787 \text{ lb}$ Weight, without mounting hardware $5.3 \text{ kg} \mid 11.684 \text{ lb}$

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

