E14F07P34

Single 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
- 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	1-Single
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	220 mm | 8.661 in
Width	195 mm | 7.677 in
Depth	77 mm | 3.031 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

ANDREW®
an Amphenol company
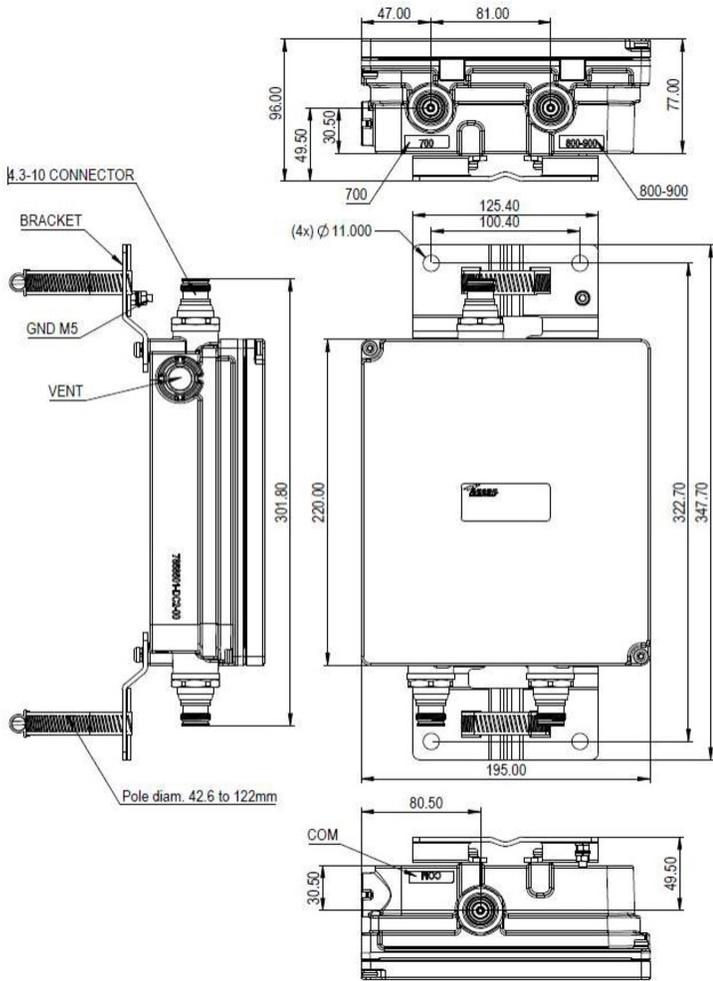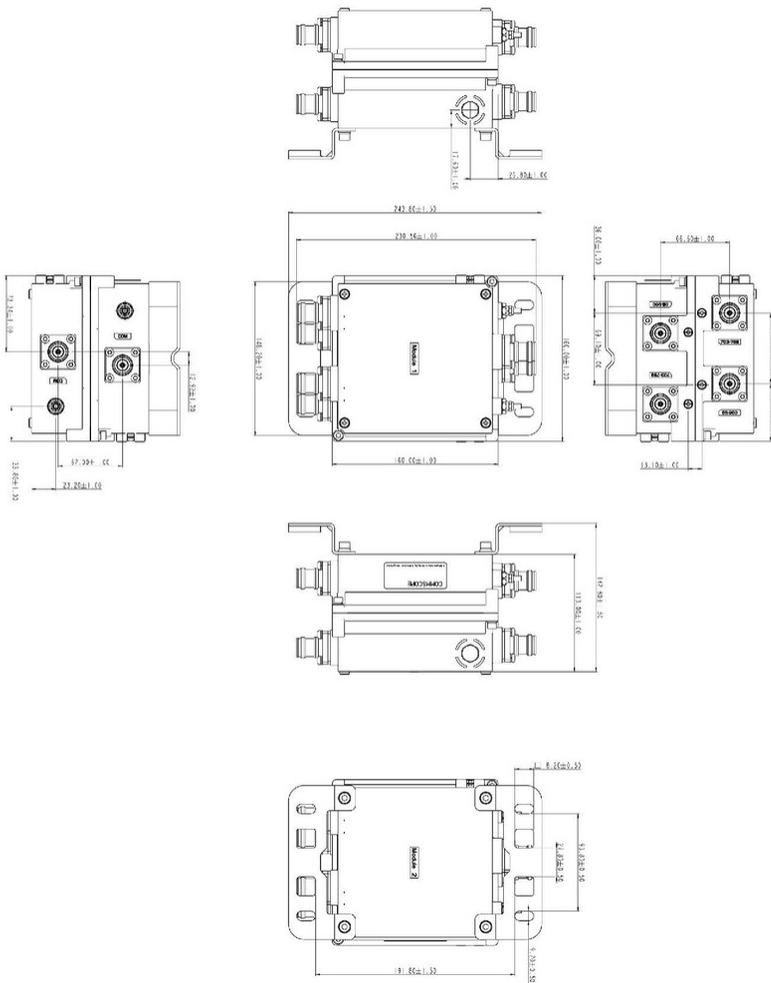
Electrical Specifications

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 Path	Branch 1 | Branch 2
dc/AISG Pass-through, combiner	Branch 1 | Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 | Branch 2
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**
Branch	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

ANDREW
an Amphenol company
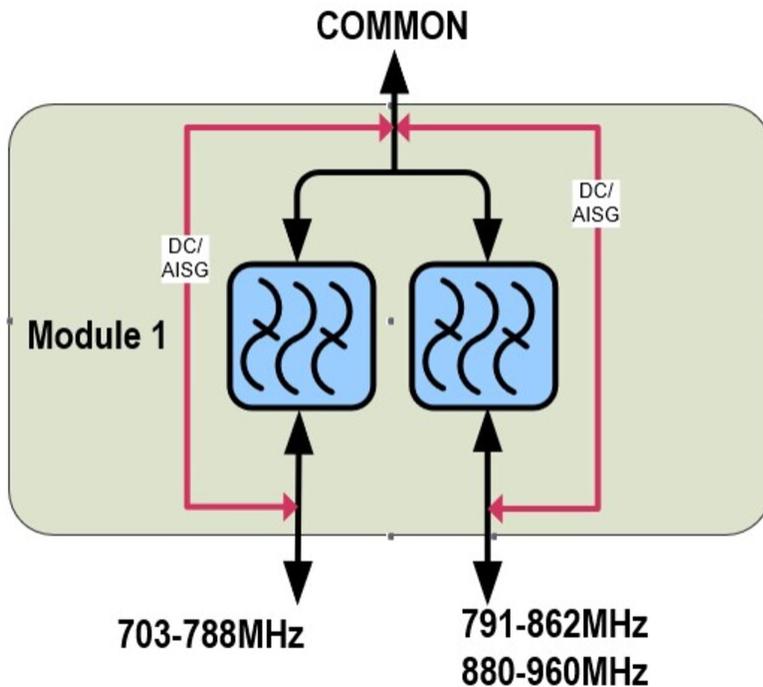
Environmental Specifications

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
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	3.3 L
Weight, net	3.3 kg	7.275 lb
Weight, without mounting hardware	2.8 kg	6.173 lb

Regulatory Compliance/Certifications

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