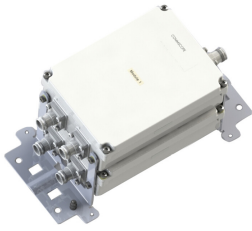


E14F05P05



Twin Diplexer, 700-800/900 DC Bypass at 900MHz port, 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Industry leading PIM performance
- Twin configuration
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- dc/AISG pass-through on high frequency ports

OBSOLETE

This product was discontinued on: December 31, 2023

Replaced By:

E14F06P20

Twin Diplexer, 700-800/900 DC Bypass All ports, 4.3-10 connectors

Product Classification

Product Type Diplexer

General Specifications

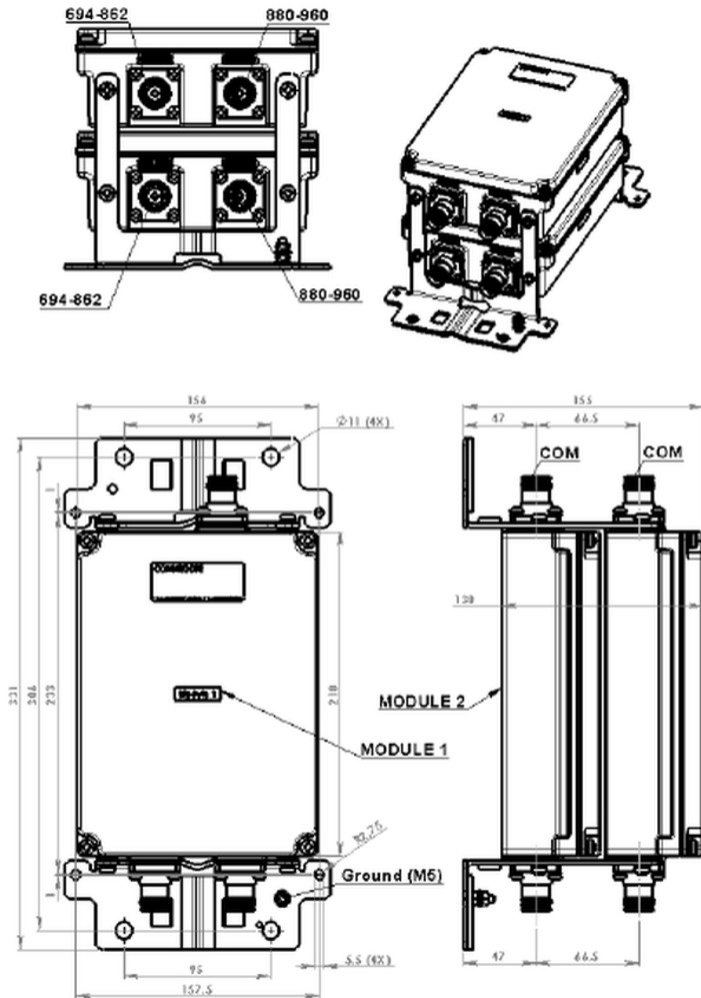
Product Family CBC789
Color Gray
Common Port Label PORT 3 COMMON
Modularity 2-Twin
Mounting Pole | Wall
Mounting Pipe Hardware Band clamps (2)
RF Connector Interface 4.3-10 Female
RF Connector Interface Body Style Long neck

Dimensions

Height 130 mm | 5.118 in
Width 210 mm | 8.268 in
Depth 156 mm | 6.142 in
Mounting Pipe Diameter Range 40–160 mm

E14F05P05

Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 CEL 900 EDD 800 LMR 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
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

E14F05P05

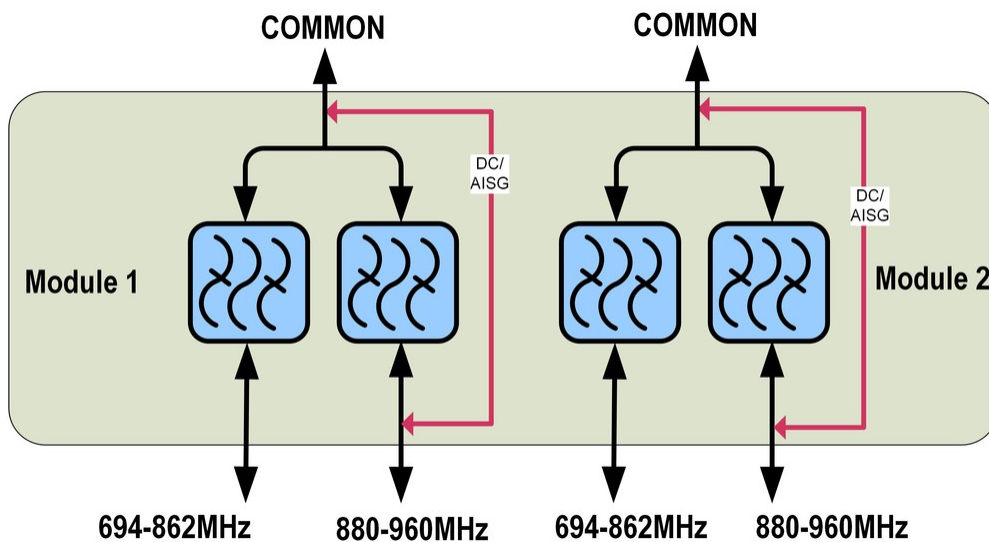
Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	PORT 1 694-862	PORT 2 880-960
License Band	APT 700, Band Pass EDD 800, Band Pass LMR 800, Band Pass	CEL 900, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	694–862	880–960
Insertion Loss, typical, dB	0.2	0.2
Return Loss, typical, dB	22	22
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	3000	3000
3rd Order PIM, typical, dBc	-160	-160
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)
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E14F05P05

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

Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Volume 4.2 L

Weight, net 5.7 kg | 12.566 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015



Classification

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