

E11F13P01



Single Diplexer, LTE 700-800/GSM 900, AISG compatible, dc pass on all ports

OBSOLETE

This product was discontinued on: December 30, 2024

Replaced By:

E14F06P05

Ultra Compact Single Diplexer 700-800/900, 4.3-10 connectors

Product Classification

Product Type Diplexer

General Specifications

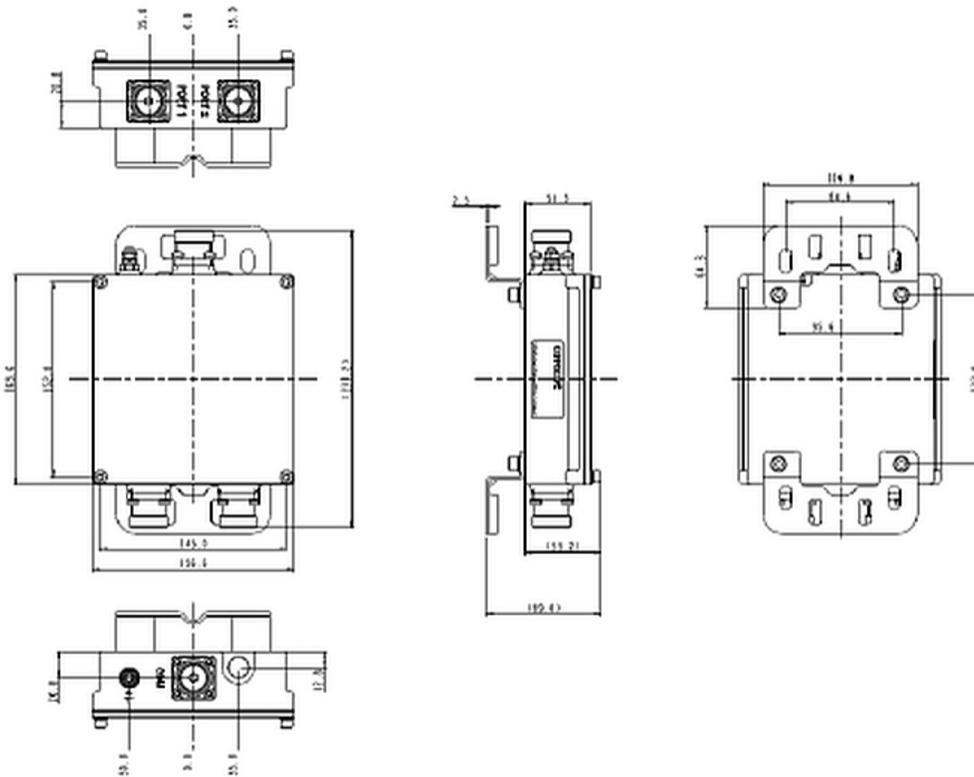
Product Family CBC789
Color Gray
Common Port Label PORT 3 COMMON
Modularity 1-Single
Mounting Pole | Wall
Mounting Pipe Hardware Band clamps (2)
RF Connector Interface 7-16 DIN Female
RF Connector Interface Body Style Long neck

Dimensions

Height 60 mm | 2.362 in
Width 157 mm | 6.181 in
Depth 164 mm | 6.457 in
Mounting Pipe Diameter Range 40–160 mm

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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

Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	PORT 1 694-803	PORT 2 880-960

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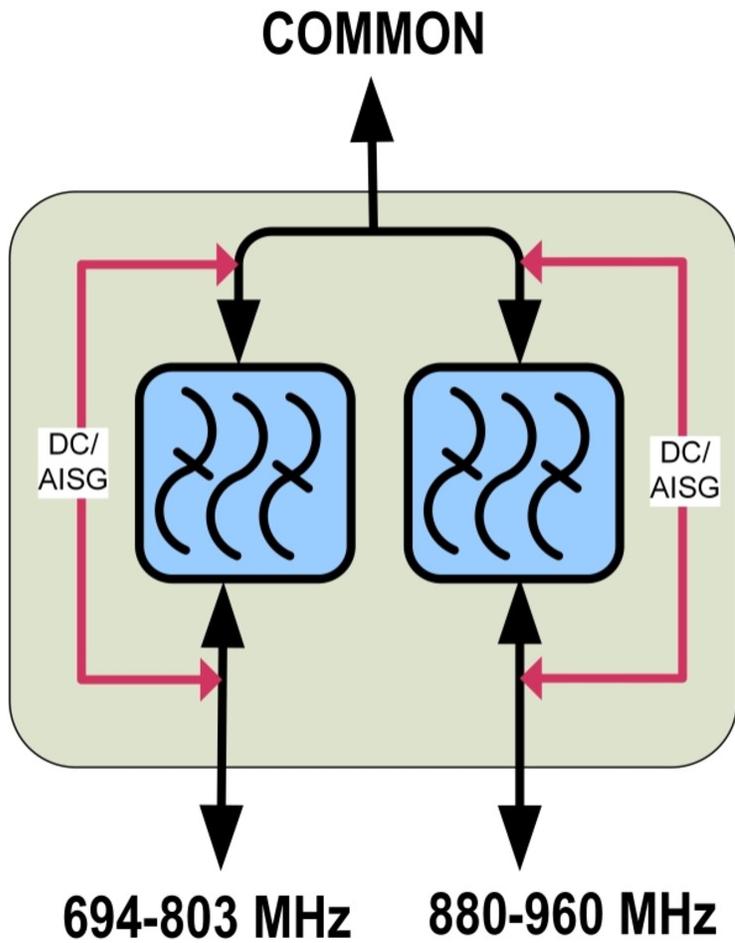
License Band	APT 700, Band Pass EDD 800, Band Pass LMR 800, Band Pass	CEL 900, Band Pass
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Electrical Specifications, Band Pass

Frequency Range, MHz	694–803	880–960
Insertion Loss, maximum, dB	0.3	0.3
Insertion Loss, typical, dB	0.25	0.25
Return Loss, minimum, dB	21	21
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	250	250
Input Power, PEP, maximum, W	2500	2500
3rd Order PIM, typical, dBc	-153	-153
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

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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
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	1.6 L
Weight, net	3 kg 6.614 lb

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Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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