

E11F02P19

Twin Diplexer, 700//900 AISG compatible, dc pass on all ports

OBSOLETE

This product was discontinued on: July 1, 2022

Replaced By:

E12F13P25

Twin Diplexer, 700/900 MHz, dc pass on all ports with 4.3-10 connectors

Product Classification

Product Type Diplexer

General Specifications

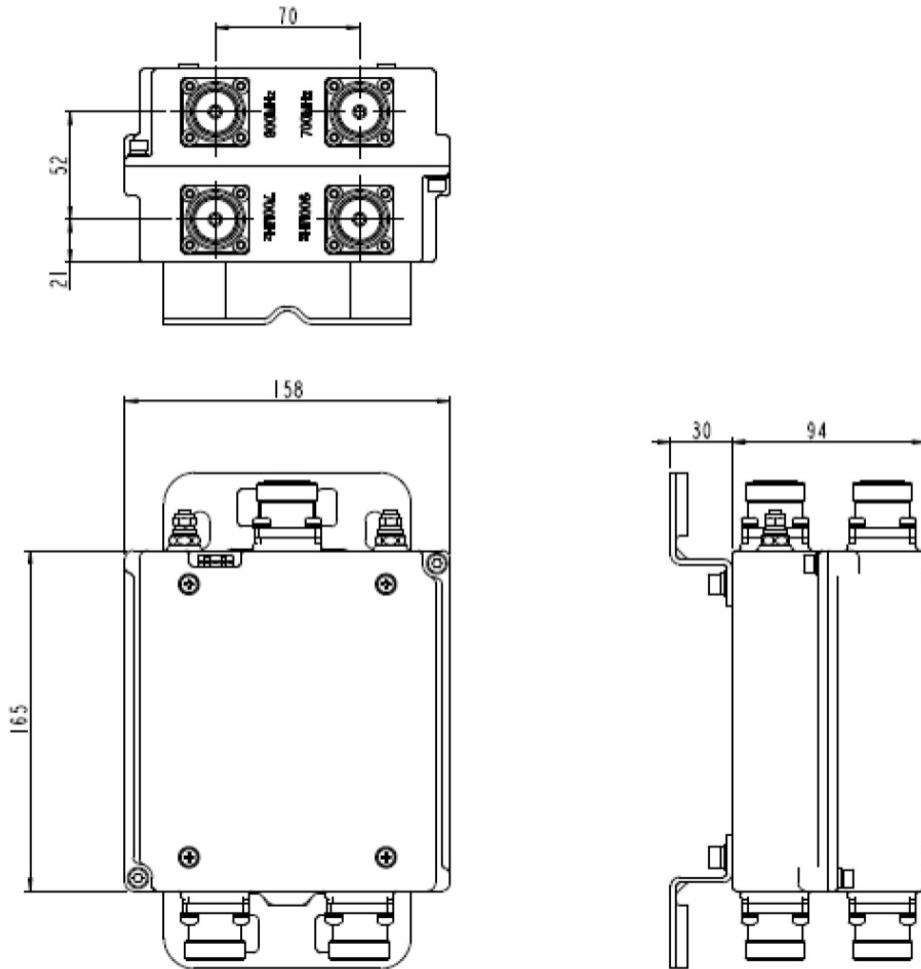
Product Family CBC79
Color Gray
Common Port Label COM
Modularity 2-Twin
Mounting Pole | Wall
Mounting Pipe Hardware Band clamps (2)
RF Connector Interface 7-16 DIN Female
RF Connector Interface Body Style Medium neck

Dimensions

Height 165 mm | 6.496 in
Width 158 mm | 6.22 in
Depth 94 mm | 3.701 in
Mounting Pipe Diameter Range 42.6–122 mm

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Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 CEL 900

Electrical Specifications, Common Port

Composite Power, RMS	320 W
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Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	Branch 1 Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 Branch 2
Lightning Surge Current	3 kA

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Lightning Surge Current Waveform

10/350 waveform

Electrical Specifications

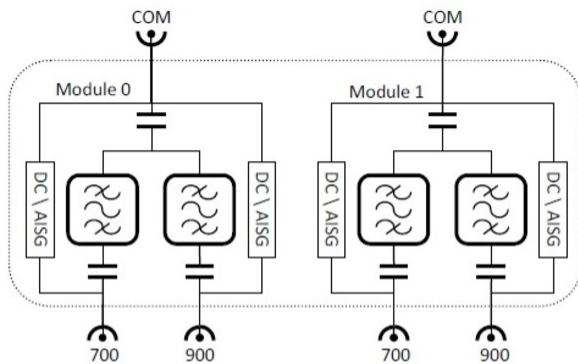
Sub-module	1 2	1 2
Branch	1	2
Port Designation	700MHZ	900MHz
License Band	APT 700, Band Pass	CEL 900, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	703–803	898.4–960
Insertion Loss, maximum, dB	0.4	0.5
Insertion Loss, typical, dB	0.3	0.35
Return Loss, minimum, dB	18	18
Isolation, minimum, dB	45	45
3rd Order PIM, typical, dBc	-150	-150
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

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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
Weight, net	5 kg 11.023 lb

Regulatory Compliance/Certifications

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

