

CBC78-DF-19-B-KIT

Crossband Coupler 19 in Tray Kit, 6 CBC78-DF in 19 in tray with antenna port at the back

OBSOLETE

This product was discontinued on: December 1, 2019

Replaced By:

CBC78T-DS-43
E14F05P19

Twin Diplexer, 698–803/824-894MHz, DC Sense, 4.3-10

Product Classification

Product Type Coupler

General Specifications

Product Family CBC78
Color Gray
Common Port Label COMM
Modularity 6-Hex
Mounting Rack
RF Connector Interface 7-16 DIN Female
RF Connector Interface Body Style Long neck

Dimensions

Height 221.5 mm | 8.72 in
Width 482 mm | 18.976 in
Depth 200 mm | 7.874 in
Ground Screw Diameter 6.35 mm | 0.25 in

Electrical Specifications

Impedance 50 ohm
License Band, Band Pass CEL 850 | USA 700 | USA 750

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner Branch 1 | Branch 2
dc/AISG Pass-through, demultiplexer Branch 1 | Branch 2

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Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1 2 3 4 5 6	1 2 3 4 5 6
Branch	1	2
Port Designation	698-787	824-894
License Band	USA 700, Band Pass USA 750, Band Pass	CEL 850, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	698–787	824–894
Insertion Loss, maximum, dB	0.25	0.25
Total Group Delay, maximum, ns	25	25
Return Loss, minimum, dB	22	22
Return Loss, typical, dB	24	24
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	500	500
Input Power, PEP, maximum, W	5000	5000
3rd Order PIM, typical, dBc	-153	-153
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	5%–100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Volume	21.3 L
Weight, net	21 kg 46.297 lb

Regulatory Compliance/Certifications

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

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