CBC78-DF-23-F-KIT

Crossband Coupler 23" Tray Kit, 6 CBC78-DF in 23" tray with Antenna port in front

<div style="border: red">

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

</div>

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	583.6 mm | 22.976 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

COMMSCOPE®

CBC78-DF-23-F-KIT

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	25.8 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

COMMSCOPE®

ISO
9001:2015

COMMSCOPE®