

CBC78-DF-19-B-KIT

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

General Specifications

Product Type	Diplexer
Product Family	CBC78
Modularity	6-Hex
Includes	Mounting hardware

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 USA 750	CEL 850

Electrical Specifications, Band Pass

Frequency Range	698–787 MHz	824–894 MHz
Insertion Loss, maximum	0.25 dB	0.25 dB
Total Group Delay, maximum	25 ns	25 ns
Return Loss, minimum	22 dB	22 dB
Return Loss, typical	24 dB	24 dB
Isolation, minimum	50 dB	50 dB
Input Power, RMS, maximum	500 W	500 W
Input Power, PEP, maximum	5 kW	5 kW
3rd Order PIM, typical	-153 dBc	-153 dBc
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

dc Power/Alarm Electrical Specifications

dc/AISG Pass-through, combiner	Branch 1 Branch 2
dc/AISG Pass-through, demultiplexer	Branch 1 Branch 2
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Mechanical Specifications

RF Connector Interface	7-16 DIN Female
RF Connector Interface Body Style	Long neck
Ground Screw Diameter	0.25 in
Color	Gray
Mount Type	Rack

Dimensions

Height	221.5 mm 8.7 in
Width	482.0 mm 19.0 in
Depth	200.0 mm 7.9 in
Volume	21.3 L

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Weight 21.0 kg | 46.3 lb

Environmental Specifications

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

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system