



CBC1726T-4310 | E11F13P05

Twin Diplexer 1695-2200 2300-2690MHz

- Full performance in a fraction of the size
- High power handling
- Includes AWS-3 and AWS-4 bands
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports (DC grounded)
- Twin configuration
- Ideal for small cell applications

General Specifications

Product Type	Diplexer
Product Family	CBC1726
Modularity	2-Twin

Electrical Specifications

Sub-module	1 2	1 2
Branch	1	2
Port Designation	Port 1695-2200	Port 2300-2690
License Band	DCS 1800 IMT 2100 AWS 1700 PCS 1900	TDD 2600 TDD 2300 WCS 2300 IMT 2600

Electrical Specifications, Band Pass

Frequency Range	1695–2200 MHz	2300–2690 MHz
Insertion Loss, typical	0.25 dB	0.25 dB
Total Group Delay, maximum	12 ns	12 ns
Return Loss, typical	23 dB	23 dB
Isolation, typical	40 dB	40 dB
Input Power, RMS, maximum	100 W	100 W
Input Power, PEP, maximum	1500 W	1500 W
3rd Order PIM, typical	-155 dBc	-155 dBc
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

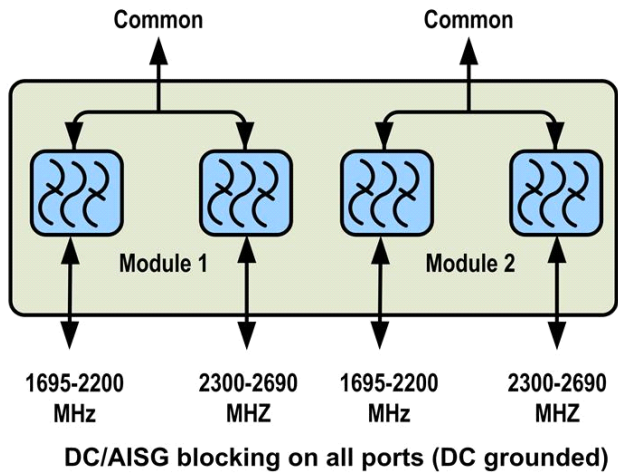
Product Classification

Product Type	Diplexer
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dc Power/Alarm Electrical Specifications

Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Block Diagram



Mechanical Specifications

RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Long neck
Color	Gray
Finish	Painted

Dimensions

Height	212.0 mm 8.3 in
Width	116.0 mm 4.6 in
Depth	46.0 mm 1.8 in
Weight	2.0 kg 4.4 lb

Environmental Specifications

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

Outline Drawing

