

Product Classification

Diplexer PCS/AWS+WCS, DC block, 4.3-10

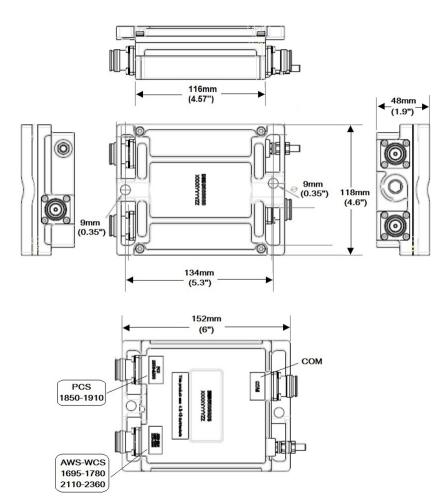
- Full performance in a fraction of the size
- High power handling
- Includes AWS-3 and AWS-4 bands
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports (DC grounded)
 - Ideal for small cell applications

Product Type	Diplexer
General Specifications	
Color	Gray
Common Port Label	Common
Modularity	1-Single
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Long neck
Dimensions	
Height	118 mm 4.646 in
Width	116 mm 4.567 in
Depth	48 mm 1.89 in

Outline Drawing

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Electrical Specifications

 License Band, Band Pass
 AWS 1700
 PCS 1900
 TDD 1900
 TDD 2300
 WCS 2300

Electrical Specifications, dc Power/Alarm

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

Electrical Specifications

Sub-module	1	1
Branch	1	2
Port Designation	Port 1695-1780/2110-2360	Port 1850-1990
License Band	AWS 1700, Band Pass WCS 2300, Band Pass	PCS 1900, Band Pass TDD 1900, Band Pass

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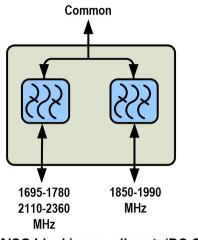


TDD 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1695–1780 2110–2360	1850-1990
Insertion Loss, typical, dB	0.25	0.25
Total Group Delay, maximum, ns	12	15
Return Loss, typical, dB	23	23
Isolation, typical, dB	40	40
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1500	1500
3rd Order PIM, typical, dBc	-161	-161
3rd Order PIM Test Method	1 x 20 W AWS CW tone 1 x 20 W PCS CW tone	2 x 20 W CW tones

Block Diagram



DC/AISG blocking on all ports(DC Grounded)

Material Specifications

Finish

Painted

Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days

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Ingress Protection Test Method

IEC 60529:2001, IP67

Packaging and Weights

Weight, net

1 kg | 2.205 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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