

# Product Specification



## CCDP-234-XDW-N2

### High Band Combiner

- **Covers 1900 & AWS-Ext Bands**
- **Fully Weatherized**
- **Low Loss / High Isolation**
- **DC / ASIG Auto Sense**
- **Single or Dual Units Available**

### Electrical Specifications

Band 1 - PCS			
Passband	MHz	Min	1850-1995
Insertion Loss	dB	Max	0.35
Return Loss	dB	Min	22
Isolation to Band 2	dB	Min	60
Average input power	W	Max	250
Input Peak Envelope Power	W	Max	3000
Band 2 - AWS			
Passband	MHz	Min	1695-1780 and 2110-2200
Insertion Loss	dB	Max	0.35
Return Loss	dB	Min	22
Isolation to Band 1	dB	Min	60
Average input power	W	Max	250
Input Peak Envelope Power	W	Max	3000
Intermod Products at all Ports with two +43dBm tones			
	dBc	Max	-156

### Environmental Specifications

Environmental rating			ETSI EN 300 019 class 4.1, RoHS
Ingress protection			IP67
Temperature range	°C		-40 to +65
Temperature range	°F		-40 to +149
Wind force @ 200 km/h (125 mph) front/side	lbf		13.74 / 4.21
Lightning protection all ports			RF port: ±10kA max (8/20us), IEC 61000-4-5
Altitude			3,000m max   10,000ft max
Mean Time Between Failures (MTBF)	Hrs	Min	>10^6

Rev: 122018



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## Electronic Specifications

### DC Sense and Routing Specifications

Input voltage	DCV		8 to 35
DC current rating	amps	Max	1.5, current limited
Compatibility AISG			1.1 / 2.0

### Combiner Function

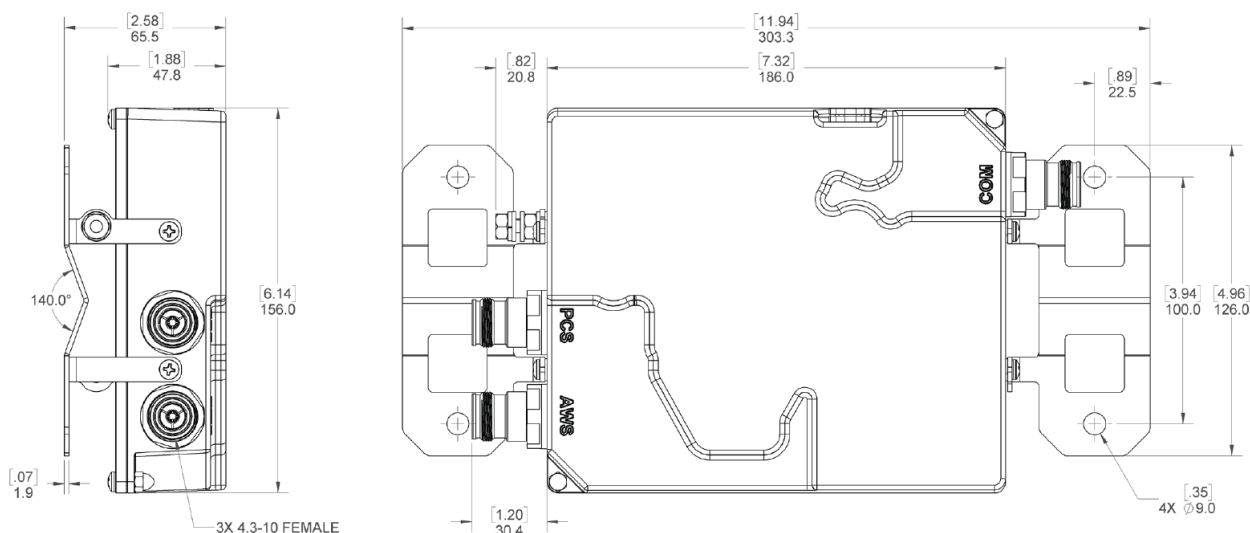
DC on high band or low band port			DC-AISG connected to COM
DC on both ports			DC-AISG connected from high band to COM

### Splitter Function

DC on COM detected			DC-AISG routed to port with AISG device
Port priority for multiple devices			AWS

## Mechanical Specifications

Connectors RF	4.3-10 (F)
Ground stud	M6 x 1 (hex nut included)
Connectors Quantity	3
Dimensions excluding brackets & connectors L x W x H mm (in.)	186 x 156 x 48 (7.32 x 6.14 x 1.89)
Weight, KG, (lbs)	2.27 (5.0)
Mounting	Pole/wall bracket supplied including two metal clamps for 45-178 mm diameter poles



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