

DBCC-AW-P-2BF

NWAV™ Dual-Band Compact Combiner

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Dual-band compact combiner

1900/AWS-WCS

Twin-unit (2 Diplexers)

4.3-10 connectors



- Combines PCS with AWS and/or WCS
- Compact size ideal for Small Cells and concealed applications
- Power handling can support macro radios up to 100W per port
- Low insertion loss and low PIM for optimized system performance
- Industry-leading connector technology for lasting performance
- Compatible with JMA WPS weatherproofing solution
- DC blocked on all ports

Electrical specification

Passband	1900 passband	AWS/WCS passband	
Frequency, MHz	1850–1995	uplink 1695–1780	downlink 2110–2360
Insertion loss, dB	0.2 dB Typ. 0.35 dB Max		
Return loss, dB min.	20 dB		
Isolation to other bands, dB	45 dB typ. 40 dB Min		
Average input power per port CW, W max.	100	N/A	100
Combined total power CW, All ports, W max.	360		
Input peak envelope power (PEP), W max.	1500	n/a	1500
PIM 2x +43 dBm, dBc min.	-156		

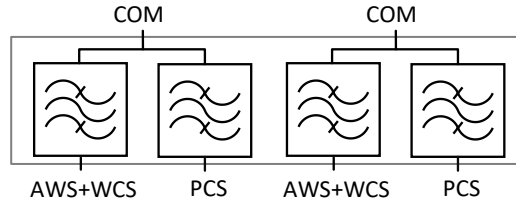
Environmental specifications

Environmental rating	ETSI EN 300 019 class 4.1, RoHS
Ingress protection	IP67, unmated
Temperature range, °C	-40 to +65
Temperature range, °F	-40 to +149
Wind force @ 200 km/h (125 mph) front/side, lbf	13.42 / 6.97
Surge handling, all ports	RF port: ±10kA max. (8/20us), IEC 61000-4-5
Altitude	3,000 m max. 10,000 ft. max.
Mean time between failures (MTBF)	>10^6

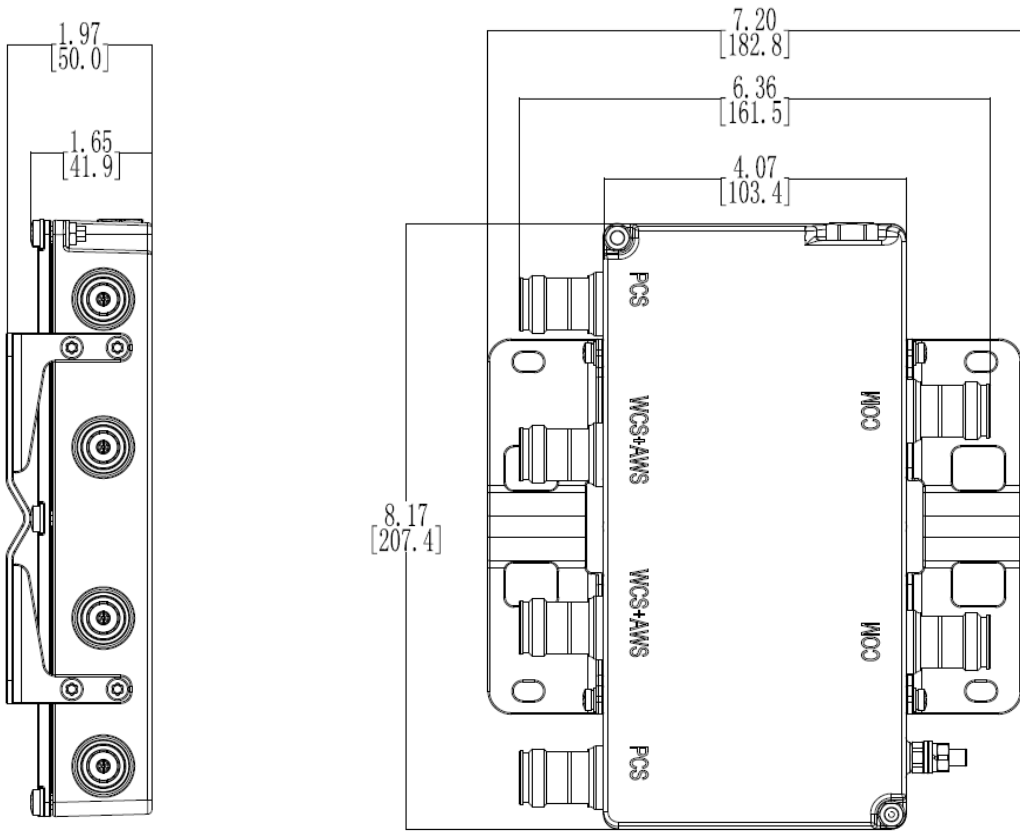
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Block diagram. Twin unit.



Mechanical specifications	
Connectors RF	4.3-10 (F)
Ground stud	M6 x 1 (hex nut included)
Connectors quantity	6
Dimensions, L x W x H mm (in.)	103 x 207 x 42 (4.13 x 8.17 x 1.65)
Weight: kg (lb) Including Brackets and HW	2.7 (5.9)
Mounting	Pole/wall bracket, two metal clamps for 45–178 mm diameter poles



Ordering information	
DBCC-AW-P-2BF	2B cmpct comb AWS-WCS/PCS, Twin Unit