

# DBCC-L-U-4BF

## NWAV™ Dual-Band Compact Combiner

### DBCC-L-U-4BF

*Dual-band compact combiner*

*617–960 MHz to 1695–2700 MHz*

*Quad unit (4 diplexers)*

*4.3-10 connectors*

**NWAV™**

- Combines low band radios with high band radios
- Compact size ideal for small cells and concealed applications
- Power handling can support macro radios up to 100 W 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	Low band	High band
Frequency, MHz	617–960	1695–2700
Insertion loss, dB max.	0.15 dB Typ. 0.2 dB Max	
Return loss, dB min.	20	
Isolation to other bands, dB	60 dB	55 dB Typ. 40 dB Min
Average input power per port CW, W max.	250	
Combined total power CW, All ports, W max.	500	
Input peak envelope power (PEP), W max.	1500	1500
PIM 2x +43 dBm	-160 dBc typ. 156 dBc min.	

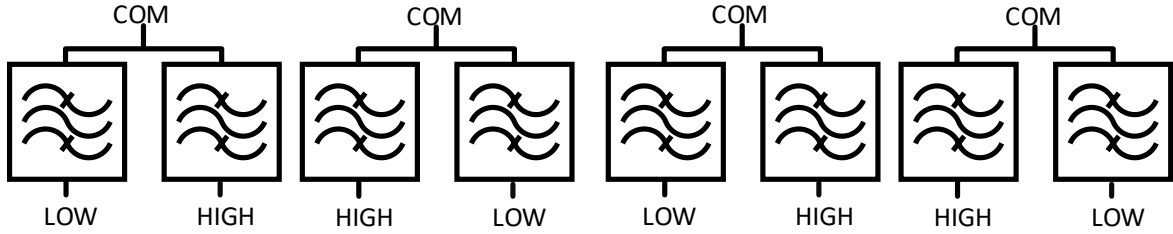
#### Environmental specifications

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 <sup>6</sup>

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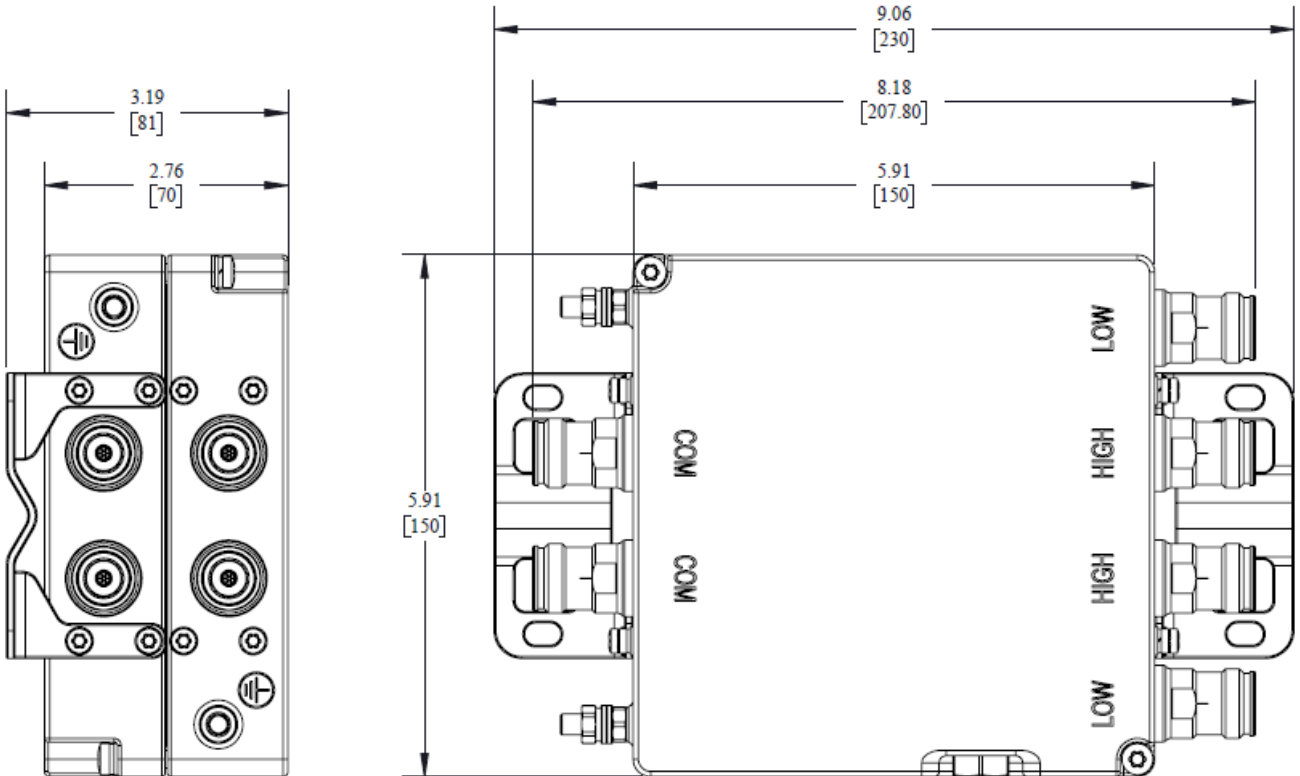
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Block diagram: quad unit



**Mechanical specifications**

Connectors RF	4.3-10 (F)
Ground stud	M6 x 1 (hex nut included)
Connectors quantity	12
Dimensions, L x W x H mm (in.)	150 x 150 x 70 (5.9 x 5.9 x 2.76)
Weight: kg (lbs.) including brackets and HW	3.1 (6.8)
Mounting	Pole/wall bracket, two metal clamps for 45-178 mm diameter poles



**Ordering information**

DBCC-L-U-4BF	2B cmpct comb Lo-Hi, (4-unit)
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