

**PRELIMINARY SPECIFICATION**

- ◆ 5x2 Multi-Band combiner combines Low-Band (617-960), Mid-Band (1695-2690), 3.45GHz Band, CBRS, and 3.7GHz C-Band without eliminating spectrum
- ◆ Dual Outputs for DAS Feeds
- ◆ Guaranteed Low PIM
- ◆ RoHS compliant



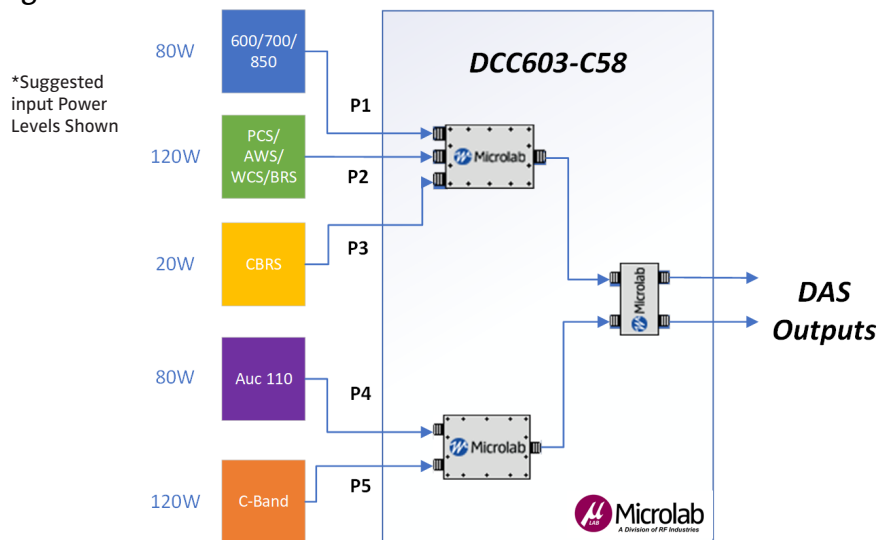
Microlab DCC602-C58 has been designed using low-loss techniques to combine Low-Band (617-960MHz), Mid-Band (1695-2690MHz), and the three adjacent C-Band spectrum (3.45GHz, CBRS, 3.7GHz) without sacrificing spectrum. All service bands are combined onto two outputs for DAS feeds.

The assembly provides an aesthetic means of integrating DAS deployments for traditional licensed sub 2.7GHz services along with new C-Band spectrum.

It features a compact wall-mount design that can be used in indoor or outdoor applications

Assembly Type: wall-mount enclosure  
 PIM: -153 dBC min. (Test with 2 tones @ +43 dBm) (see table)  
 Power: (see table)  
 Impedance: 50Ω nom.  
 Connectors: 4.3-10(f) Trimetal Albaloy  
 Temperature: -40°C to +55°C  
 IP Rating: IP67  
 Dimensions: 9.75 x 9 x 5.15 inches [247.7 x 228.6 x 130.8 mm]  
 Weight: TBD

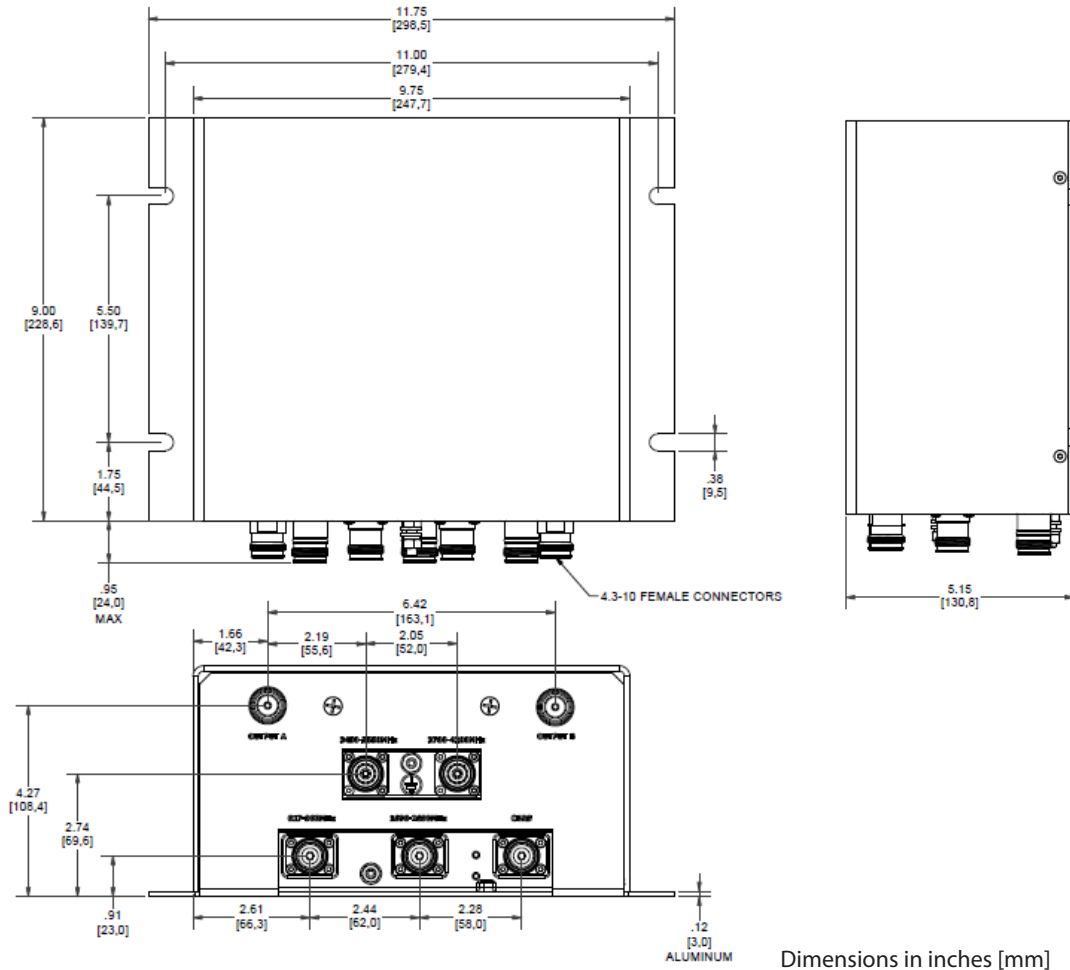
Port	Frequency (MHz)	Input Power (W)	Nom. Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)
P1	Low-Band: 617-960	150W (individual) <i>not to exceed 220W for P1+P2+P3 combined</i>	3.3	46dB typ (43dB min) P1-P2-P3 P1/P2 to P4/P5	>15.6dB P1
P2	Mid-Band: 1695-2690		3.6		
P3	CBRS: 3550-3700		4.0		
P4	3.45 Band: 3450-3550	150W (individual) <i>not to exceed 200W for P4+P5 combined</i>	3.8	40dB min P4-P5	>14dB typ P2, P3, P4, P5
P5	C-Band: 3700-4200		3.9		

**Block Diagram**


Note: Specifications are subject to change without prior notification.

10Mar2023

Outline



Note: Specifications are subject to change without prior notification.

Microlab, A Division of RF Industries, 25 Eastmans Road, Parsippany, NJ 07054

Tel: (862) 328-1101 • sales@microlabtech.com • www.microlabtech.com