

## QBC-67-C-A-P-1SF

Combiner Quad Band  
600-700/850/1900/AWS  
DC/AISG Sensing  
Single Unit  
4.3-10 Connectors



- Very Low Insertion loss and High isolation for optimized system performance
- Maximum number of integrated RF paths in a very compact and lightweight unit minimizes visual impact of sites
- Automatic DC sense for easy installation and site evolution
- Industry leading connector technology for lasting performance. Compatible with JMA WPS weatherproofing solution

## ELECTRICAL SPECIFICATIONS

Passband	600-700	850	1900	AWS	
Frequency, MHz	555-787	824-894	1850 - 1995	1695 - 1780 (Uplink)	2110 - 2200 (Downlink)
Insertion Loss, dB Avg*	0.25		0.3		
Insertion Loss, dB Max	0.35		0.45		
Return Loss, dB Min	22				
Isolation to other bands, dB	60				
Average input power, W Max	250	250	250	n/a	250
Input Peak Envelope Power, W Max	3000	3000	3000	n/a	3000
PIM 2x +43dBm, 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	30 / 8.5
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)	>10 <sup>6</sup>

## DC SENSE AND ROUTING SPECIFICATIONS

Input voltage, DCV Max	35
DC Current rating Amps	1.5, Current limited
Compatibility AISG	1.1/2.0

### QUADPLEXER ON BOTTOM (COMBINER)

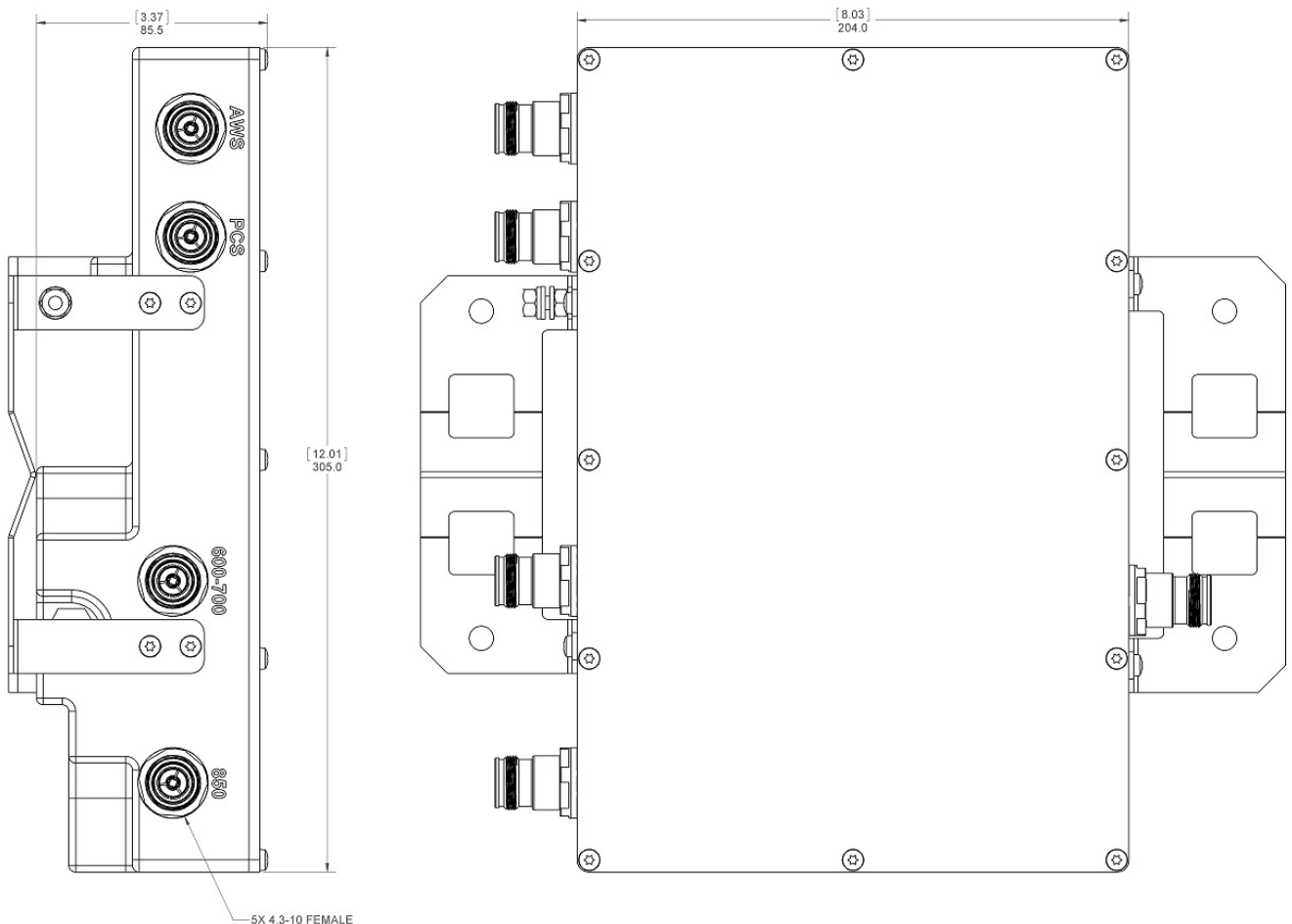
DC on 600-700, 850, AWS, or PCS port	DC-AISG connected to COM
More than 1 port with DC Detected	One port is selected. See Port Priority Below
Port Priority (DC on multiple input ports)	P1 AWS, P2 600-700, P3 PCS, P4 850

### QUADPLEXER ON TOP (SPLITTER)

DC on COM detected	DC-AISG routed to port with an AISG Device
If more than one port has an AISG device	One port is selected. See Port Priority Below
Port Priority (multiple AISG devices detected)	P1 AWS, P2 600-700, P3 PCS, P4 850

## MECHANICAL SPECIFICATIONS

Connectors RF	4.3-10 (F)
Ground stud	M6 x 1 (hex nut included)
Connectors Quantity	5
Dimensions excluding brackets & connectors L x W x H mm (in.)	204 x 305 x 85 (8.0 x 12.0 x 3.4)
Weight, KG, (lbs)	5.2 (11.5)
Mounting	Pole/wall bracket supplied including two metal clamps for 45-178 mm diameter poles

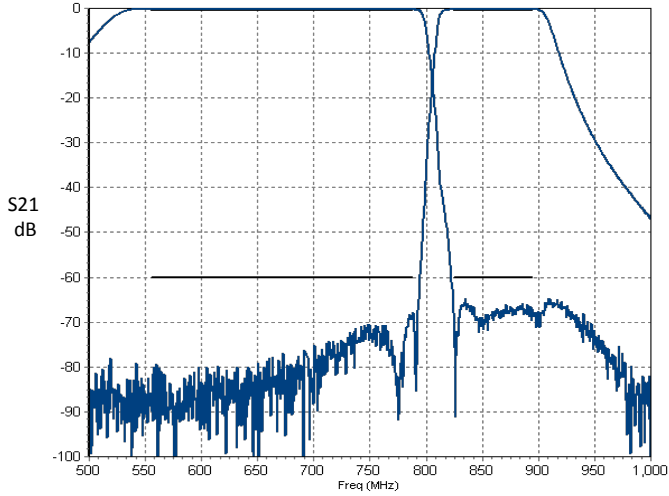


## ORDERING INFORMATION

QBC-67-C-A-P-1SF

4B Combiner 600-700/850/AWS/PCS, DC Sense, Single

600-700 & 850 PORTS



AWS & PCS PORTS

