QBC-67-C-A-P-2SF

Combiner Quad Band

600-700/850/1900/AWS

DC/AISG Sensing

Twin Unit

4.3-10 Connectors

- Very Low Insertion loss and High isolation for optimized system performance
- Maximum integration of RF paths in a very compact and lightweight unit minimizes site visual impact
- 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*	0.15	0.15	0.25	0.25	0.25
Insertion Loss, dB Max	0.25	0.25	0.40	0.35	0.35
Return Loss, dB Min	22				
Isolation to Band, 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 Max	-156				

*Averaged over 1.23 MHz CDMA carrier

All Specifications are subject to change.
Refer to www.jmawireless.com for the most current information
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PRELIMINARY

DC SENSE SPECIFICATIONS

Any (1) path (600-700/850/1900 or AWS) > 7V	Connected to COM
Two or more paths > 7V	No dc connection to COM
Input voltage, Vdc, Max	35
DC Current rating Continuous, peak, A	2, 4
Compatibity AISG	1.1/2.0
Environmental Specifications:	
Environmental rating	ETSI EN 300 019 class 4.1, RoHS
Ingress protection	IP 67 Unmated
Temperature range, °C	-40 to +65
Temperature range, °F	-40 to +149
Wind Force @ 200 km/h (125 mph) front / side, lbf	10.47 / 12.88
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	>10^6
Mechanical Specifications:	13.55 / 16.67
Connectors RF	4.3-10 (F)
Ground stud	M6 x 1 (hex nut included)
Connectors Quantity	10
Dimensions excluding brackets & connectors L x W x H mm (in.)	130 x220 x160 (5.12 x 8.66x 6.30)
Weight, KG, (lbs)	6.9 (15.8)
Mounting	Pole/wall bracket supplied including two metal clamps for 45-178 mm diameter poles

ORDERING INFORMATION

QBC-67-C-A-P-2SF	4B Combiner 600-700/850/AWS/PCS, DC Sense, Dual

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