

16A4NAW – Low PIM Multibands Combiner

Renaissance Electronics has designed a new Low PIM Multibands Combiner, Model 16A4NAW. This Combiner operates from 698 MHz to almost 2700 MHz with a 50 dB minimum isolation, minimum return loss of 18 dB and 0.5 dB maximum insertion loss.

Parameter	Specification				
Frequency Range	698-790MHz	806-897MHz	1850-1995MHz	1710-1755MHz 2110-2155MHz	2300-2690MHz
Insertion Loss	0.5 dB Max				
Return Loss at BW	18 dB Min				
Isolation	50 dB Min between each band				
RF Power	100W				
Impedance	50 Ohm				
PIM	155 dBc (measured in Rx band) / 2 tones x20W				

Parameter	Specification	
	Operating	Non-Operating
Temperature	-10°C to +66°C	-55°C to +125°C
Protection	IP67	
Altitude	MIL-STD-810 Method 105C	
MTBF	More than 1,000,000 hours	
Salt Fog	MIL-STD-810 Method 101D	
ROHS	Compliant	

Parameter	Specification
Dimension (WxDxH)	298.0 x 200.0 x 56.0 (mm) / with bracket
Connector	DIN Female Connector
Finish	Black Epoxy Coating
Weight	-