

## 16A4NAT – Low PIM Multibands Combiner

Renaissance Electronics has designed a new Low PIM Multibands Combiner, Model 16A4NAT. This Combiner operates from 698 MHz to over 2100 MHz with a 50 dB minimum isolation, minimum return loss of 18 dB and 0.5 dB maximum insertion loss.

Parameter	Specification			
Frequency Range	698-806 MHz	824-896 MHz	1710-1755 MHz 2110-2155 MHz	1850-2000 MHz
Insertion Loss	0.5 dB Max			
Return Loss at BW	18 dB Min			
Isolation	50 dB Min			
RF Power	250W			
Impedance	50 Ohm			
PIM	156 dBc Typ, 153 dBc Min / 2 tones x20W			
OOK Insertion Loss	0.8 dB Max at 2176 MHz			
OOK Return Loss	12 dB Min			
Current Max	2A Continuous / 4A Peak			
Voltage Max	+/- 33V			

Parameter	Specification	
	Operating	Non-Operating
Temperature	-30°C to +65°C	-55°C to +125°C
Protection	IP67	
DC pass current (A)	2000m Max (6500 ft)	
Lightning Protection	IEC61000-4-5-	
MTBF	More than 500,000 hours	
EMC	ETS300 342-3	
ROHS	Compliant	

Parameter	Specification
Dimension (WxDxH)	225.0 x 238.0 x 56.0 (mm) / with bracket
Connector	DIN Female Connector
Finish	Black Epoxy Coating
Weight	5 kg