

16A4NAR – Low PIM Multibands Combiner

Renaissance Electronics has designed a new Low PIM Multibands Combiner, Model 16A4NAR. This Combiner operates from 806 MHz to over 2100 MHz with a 65-70 dB minimum isolation, minimum return loss of 18 dB and 0.5 dB maximum insertion loss.

Parameter	Specification		
Frequency Range	806 – 960 MHz	1710 – 1880 MHz	1920 – 2170 MHz
Insertion Loss	0.2 dB Max	0.5 dB Max	
Return Loss at BW	18 dB Min		
Isolation	65dBc@1710-1880MHz 65dBc@1920-2170MHz	70dBc@806-960MHz 65dBc@1920-2170MHz	70dBc@806-960MHz 65dBc@1710-1880MHz
RF Power	240W Avg		
Impedance	50 Ohm		
PIM	160 dBc Typ, 150 dBc Min / 2 tones x20W		

Parameter	Specification	
	Operating	Non-Operating
Temperature	-30°C to +65°C	-55°C to +125°C
Protection	IP68	
DC pass current (A)	Less than 2.5-	
Lightning Protection	IEC61000-4-5-	
AISG compliant	AISG standard 1.1	
ROHS	Compliant	

Parameter	Specification
Dimension (WxDxH)	300.0 x 168.0 x 59.0 (mm) / with bracket
Connector	7/16 DIN Female Connector
Finish	Black Epoxy Coating
Weight	2.5 kg / bracket 0.3 kg