

## 16A4NAQ – Low PIM DCS/UMTS Multiplexer

Renaissance Electronics has designed a new Low PIM DCS/UMTS Multiplexer, Model 16A4NAQ. This Multiplexer operates from 1710 MHz to over 2100 MHz with a 50 dB minimum isolation, 150 dBc minimum and minimum 22 dB return loss.

Parameter	Specification
DCS and UMTS Band	
Frequency Range	1710 MHz – 1880 MHz
	1920 MHz – 2170 MHz
Insertion Loss	0.3 dB Typ / Per Pass Band Edge : 0.5 dB
Return Loss	22 dB Min
Isolation	50 dB Min
Power Handling	200W
PIM	150 dBc Min (2 tones x20W)

Parameter	Specification	
Temperature	Operating	Non-Operating
	-40°C to +65°C	-55°C to +125°C
Humidity	MIL-STD-810 Method 106F	
Altitude	MIL-STD-810 Method 105C	
Mechanical Shock	MIL-STD-810 Method 213B	
Random Vibration	MIL-STD-810 Method 214	
Salt Fog	MIL-STD-810 Method 101D	
ROHS	Compliant	

Parameter	Specification
Dimension (WxDxH)	156.0 x 136.0 x 44.0 (mm) / without connector
Connector	7/16 DIN Female Connector
Finish	Black Epoxy Coating
Weight	2.5 kg / bracket 0.3 kg