

AnaSat® - EC

SPECIFICATIONS

TRANSMIT CHARACTERISTICS	125W	150W	180W	200W
1 dB COMPRESSION POINT	+51 dBm	+51.8 dBm	+52.6	+53 dBm
TX GAIN	82 dB	83 dB	83.6	84 dB
TX GAIN ADJUSTMENT RANGE	+6 to -20 dB M&C controlled			
TX LEVEL FLATNESS	± 1.5 dB / 36 MHz			
TX GAIN VARIATION	± 1.5 dB over frequency and temperature			
TX INPUT IF FREQUENCY	52 to 88 MHz			
TX INPUT IF IMPEDANCE	50 ohms (75 ohms optional)			
TX INPUT IF LEVEL	-30 dBm ± 10 dB (+20 dBm MAX)			
TX OUTPUT FREQUENCY	5.850 to 6.425 GHz			
TX FREQUENCY STEP SIZE	1 MHz M&C controlled			
TX PHASE NOISE	100 Hz: -60 dBc, 1 KHz: -70 dBc 10 KHz: -80 dBc, 100 KHz: -90 dBc			
TX LINEARITY	-33 dBc (2 carriers @ 9 dB back-off)			
TX INSTANTANEOUS BANDWIDTH	± 18 MHz			
RECEIVER_(w/LNC) CHARACTERISTICS				
RX INPUT FREQUENCY	3.625 - 4.200 GHz			
RX FREQUENCY STEP SIZE	1 MHz M&C controlled			
RX OUTPUT FREQUENCY	52 - 88 MHz			
RX INSTANTANEOUS BANDWIDTH	± 18 MHz			
RX GAIN	85 to 100 dB M&C controlled			
RX GAIN VARIATION	± 1.5 dB over frequency and temperature			
RX NOISE FIGURE	0.88 dB (65) MAX / Optional 0.63 dB (45K) and 0.49 dB (35K)			
RX LINEARITY	-35 dBc intermod, MAX			
RX PHASE NOISE	100 Hz: -60 dBc, 1 KHz: -70 dBc 10 KHz: -80 dBc, 100 KHz: -90 dBc			
RX OUTPUT IMPEDANCE	50 ohms (75 ohms optional)			
SYSTEM				
PORTS	1 RS-232 and 1 RS-485 / RS 232 configurable			
PROTOCOL	RS-232 port supports any "dumb terminal" or ASCII interface RS-485 port supports addressed packetized data per ANACOM Supervisor™ software specifications			
ALARM RELAYS	FORM C for MAJOR and MINOR alarms; isolated			
VISUAL INDICATORS	GREEN LED (flashing) indicates power is active RED LED indicates a summary alarm			
POWER	100 to 242 VAC; 47 - 63 Hz			
ENVIRONMENTAL				
TEMPERATURE	-40 to +50°C operational -60 to +75°C storage			
ALTITUDE	10,000 ft (3,000 meters) MAX			
RAIN	20 inches per hour			
WIND	150 miles per hour			
VIBRATION	1.0 g random operational, 2.5 g random survival			
SHOCK	10 g operational, 40 g survival			
REUSABLE CUSTOM DESIGNED PACKAGING	Exceeds 1 meter 10 point drop method			
POWER & DIMENSIONS				
TYPICAL POWER CONSUMPTION	1088 VA	1088VA	1416VA	1416 VA
PRIME POWER REQUIREMENT	2394 VA	2394VA	3115VA	3115 VA
WEIGHT	102 lbs (47 kg)	102 lbs (47 kg)	136 lbs (62 kg)	136 lbs (62 kg)
TRANSCIVER SIZE - 125, 150, 180, 200W	38" x 13" x 12.5" (965 x 330 x 318 mm)			
LNC SIZE / WEIGHT	3.7" x 2.8" x 3.9" (91 x 71 x 99 mm) / 0.7 lbs (0.32 kg) max.			

All specifications subject to change