

AnaSat® - Ku

SPECIFICATIONS

TRANSMIT CHARACTERISTICS	80W	100W	125W
1 dB COMPRESSION POINT	49 dBm	50 dBm	51 dBm
TX GAIN	80 dB	81 dB	82 dB
TX GAIN ADJUSTMENT RANGE	+6 to -20 dB M&C controlled		
TX LEVEL FLATNESS	± 1.5 dB / 36 MHz		
TX GAIN STABILITY	± 1.5 dB over temperature and frequency		
TX INPUT IF FREQUENCY	52 to 88 MHz (optional 140 MHz)		
TX INPUT IF IMPEDANCE	50 ohms (75 ohms optional)		
TX INPUT IF LEVEL	-30 dBm ± 10 dB (+20 dBm MAX)		
TX OUTPUT FREQUENCY	14.0 to 14.50 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	-30 dBc (2 carriers @ 9 dB back-off)		
TX INSTANTANEOUS BANDWIDTH	± 18 MHz		
RECEIVER_(w/LNC) CHARACTERISTICS			
RX INPUT FREQUENCY	10.95 - 12.75 GHz		
RX FREQUENCY STEP SIZE	1 MHz M&C controlled		
RX OUTPUT FREQUENCY	52 to 88 MHz		
RX INSTANTANEOUS BANDWIDTH	± 18 MHz		
RX GAIN	85 to 100 dB M&C controlled		
RX GAIN VARIATION	± 1.5 dB over temperature frequency		
RX NOISE FIGURE	1.9 dB (160°K), 1.4 dB (110°K) optional		
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 to 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	1446 VA	1617 VA	1661 VA
PRIME POWER RECOMMENDATION	3181 VA	3557 VA	3654VA
WEIGHT	127 lbs (58kg)	127 lbs (58kg)	127 lbs (58kg)
TRANSCEIVER SIZE	- 80W, 100W, 125W 38.0" x 13.0" x 12.5" (965 x 330 x 318 mm)		
LNC SIZE / WEIGHT	8.4" x 2.9" x 1.8" (213 x 74 x 46 mm) / 1.2 lbs. (0.54 kg.) max.		

All specifications subject to change