

	Range	Units	Notes
Electrical Specifications			
Frequency	5.790-5.810	GHz	
Gain	50 min., 54 dB typ.	dB	Gain Adjust available (Option 2)
Gain Flatness			
Full Band	+/-0.5 max.	dB	
Gain Stability vs. temperature	+/-2.0	dB	
P _{1dB}	+49.0 min., +50.0 typ.	dBm	
P _{sat}	+50.5 typ.	dBm	
Third Order Intermodulation Distortion	-25 max.	dBc	@3 dB backoff relative to rated P _{1dB}
VSWR			
Input	1.30 max.	:1	isolator included
Output	1.50 max.	:1	non-isolated
Power Requirement			
Input Voltage	+12 nom.	vdc	+11.5 to +13 vdc range
Current	40 nom.	A	
Mechanical Specifications			
Size (see outline)	5.0 x 10.0 x 1.0 (127.0 x 254.4 x 25.4)	in. (mm)	L X W X H
Weight (approximate)	4.0 (1.82)	lbs. (kg)	Option 4 adds approx. 8.5 lbs.
Connectors			
RF Input	SMA	Female	N optional
RF Output	SMA	Female	
Power	Threaded RFI Filter		
Control Connector	D-Sub Min 9 pin Socket		
Environmental			
Operating Baseplate Temperature	-40 to +60	°C	
Humidity	100	%	without condensation

Options:

Option 1: N/A

Option 2: Digital Gain Adjust (15 dB in 1 dB Steps)

Option 3: Control I/O (Mute, Fault, Temp. Sense)

Option 4: Integrated Heatsink and Fan Assembly

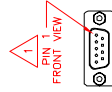
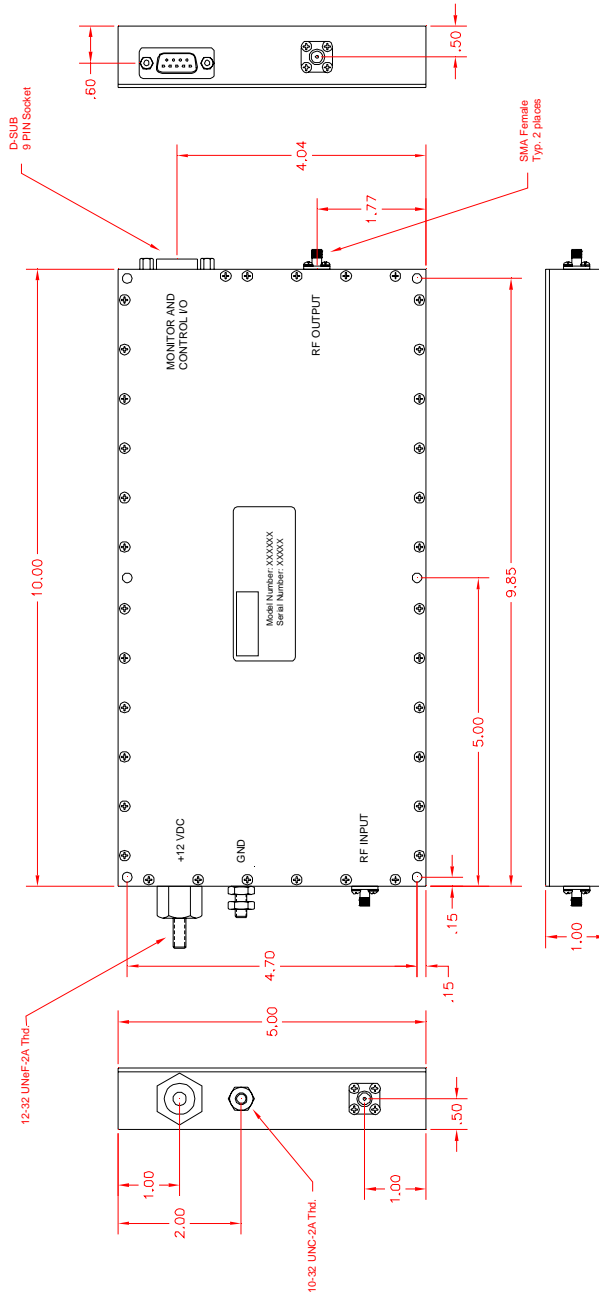
Specifications are subject to change at the discretion of Locus Microwave, Inc.

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CODAN SATCOM





PN	FUNCTION
1	MUTE IN, TTL ACTIVE HIGH
2	ANALOG TEMP SENSOR OUT TEMP. COEF. = -45 mV/°C TEMP. RANGE = 0 to 100 mV/°C THERMAL SHUTDOWN @ +85°C
3	FAULT OUT, ACTIVE HIGH OPEN COLLECTOR @ 100mA max.
4	CHASSIS GND
5	CHASSIS GND
6	TTL I ¹ = 1.0B min., I ² = 0.4B
7	TTL I ¹ = 2.0B min., I ² = 0.4B
8	TTL I ¹ = 4.0B min., I ² = 0.4B
9	TTL I ¹ = 8.0B min., I ² = 0.4B

Note:
 1: No Connection to Attenuator PINs provides maximum attenuation.
 2: Attenuation values are additive.