

## Uplink Systems

### ATZC-0012 C-Band VSAT Transmitter (BUC) (L-Band Input)



Solid State Transmitter  
(BUC)  
C-Band

#### Features

- No "Cooling Fan" Solution
- High Efficiency Output Power (12W minimum @ P1dB over temperature)
- 110/220 VAC Autoranging Operation

ATCi introduces complete line of solid state transmitters for outdoor or indoor installations.

- Smallest and most light-weight unit available today (22 lbs).
- P1dB power rating.
- Rugged design for outdoor use.
- L-Band input.
- Flange or coax output available.
- Can be used indoors or outdoors.
- AC or DC choice.
- 1 Year warranty.
- Excellent customer support.

# Specifications: C-Band VSAT Transmitter

ITEM	SPECIFICATIONS
Output Interface	Waveguide, CPR137G
Output Power @ 1dB G.C.P.	+41 dBm typ. over temp.
Linear Gain	70 dB nominal
Requirement for External Reference (Frequency)	10 MHz (sine-wave)
(Input Power)	-5 to +5 dBm @ Input port
(Phase Noise)	-135 dBc/Hz max. @ 100 Hz
	-140 dBc/Hz max. @ 1 kHz
	-143 dBc/Hz max. @ 10 kHz
L.O. Phase Noise	-60 dBc/Hz max. @ 100 Hz
	-70 dBc/Hz max. @ 1 kHz
	-80 dBc/Hz max. @ 10 kHz
	-90 dBc/Hz max. @ 100 kHz
Input V.S.W.R.	2 : 1 max
Output V.S.W.R.	2 : 1 max.
AC Power Requirement	110/220 VAC
	150 W max.
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	N-type, female (50 ohms)
Dimension	12.1" x 9.2" x 5.95" ( 300 mm x 230mm x 150mm )
Weight	22 lbs max. ( 10 kg )
Temperature Range (ambient)	-40 to +55 C (operating) -40 to +75 C (storage)