

ATZC - 10-100

C-Band

VSAT TRANSMITTER

(L-Band Input)

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

- Smallest and most light-weight unit available today (26 - 82 lbs).
- Wide range of power outputs available.
- 10 - 100 watts with other powers available upon request.
- Rugged design for outdoor use (light and compact).
- L - Band input.
- Flange or coax output available.
- Available in outdoor and indoor style (outdoor style shown).
- AC or DC choice (for certain models).
- Redundancy Option.
- 1 Year warranty.
- Excellent customer support.



*Solid State Transmitter
C-Band*

Specifications: C-Band VSAT Transmitter

Model	Output Power at PSAT typ. (watts)	Gain dB (min)	1 dB Power Compression Point	AC Power Consumption (Watts)	(Inches)
ATZC-0010	10	70	41dBm	130	12.1 x 7.5 x 9.2
ATZC-0020	20	70	43dBm	180	12.1 x 10.4 x 9.2
ATZC-0030	30	70	45dBm	250	12.1 x 10.4 x 9.2
ATZC-0040	40	70	46dBm	350	12.1 x 10.4 x 9.2
ATZC-0050	50	70	47dBm	450	12.1 x 10.4 x 9.2
ATZC-0060	60	70	47.8dBm	500	11.5 x 11.2 x 11.3
ATZC-0070	70	70	48.5dBm	530	11 x 9.6 x 8.5
ATZC-0080	80	70	49dBm	550	11.5 x 11.2 x 11.3
ATZC-0100	100	80	50dBm	600	11.5 x 11.2 x 11.3

<p>ELECTRICAL CHARACTERISTICS</p> <p>Frequency range Input Frequency Range Gain flatness over any 40 MHz Gain flatness over full band Gain variation Input VSWR (L-Band) Output Return Loss (C-Band) Spurious at rated power Third order IMD (two equal tones 5MHz apart)</p> <p>Output Phase Noise</p>	<p>5.850 to 6.425 GHz <i>Other options available</i></p> <p>950 to 1525 MHz</p> <p>± 0.5 dB max at room temp.</p> <p>± 1.0 dB max at room temp.</p> <p>±1.0 dB over operating temp. range</p> <p>2.0 : 1, max</p> <p>1.3 : 1, max</p> <p>-60 dBc max.</p> <p>-34 dBc max. @ 7dB back off (from rated P1 dB)</p> <p>-26 dBc max. @ 3dB back off (from rated P1dB)</p> <p>@ 1kHz -75 dBc / Hz @ 10 kHz -80 dBc / Hz @ 100 kHz -90 dBc / Hz</p>
<p>POWER REQUIREMENTS</p> <p>Input Supply Voltage</p>	<p>110/220 VAC ± 15% (47-63 HZ) Auto Ranging, 48 VDC (optional for certain models)</p>
<p>MECHANICAL CHARACTERISTICS</p> <p>IF input (L-Band) Interface RF output (C-Band) Interface Power Input M&C Analog Interface RS 232 or RS-485 Interface Temperature Operating Storage Humidity Altitude</p>	<p>Type N Connector</p> <p>CPR137 Groved / type N connector (optional)</p> <p>MS3102R16-10P (<i>other options available</i>)</p> <p>MS3102R20-29s (<i>other options available</i>)</p> <p>MS3102R14S-6S (<i>other options available</i>)</p> <p>-40° C to +60°C</p> <p>-55° C to +85°C</p> <p>100%, considering, rain 2" per hour</p> <p>10000' AMSL</p>