# X-BAND FM-CW TRANSCEIVER

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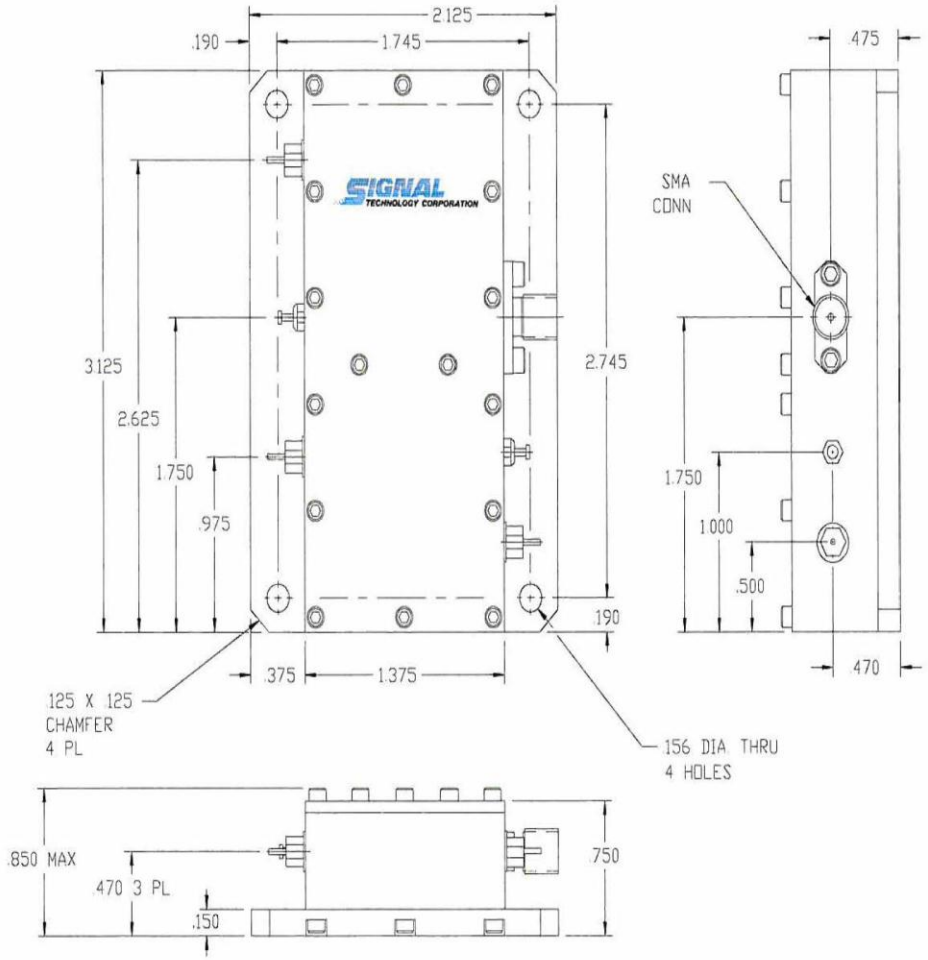
|---|---|
| Frequency Range | 9.5 GHz to 10.5 GHz |
| RF Power Out | 1 dBm (typical) |
| Tuning Linearity (max/min ratio) | 1.5:1 (typical) |
| Tuning Voltage | 0.5 to +10 Vdc |
| Frequency Drift (over temperature) | 100 MHz (max) |
| FM Rate | DC to 20 KHz |
| Sensitivity | -70 dBc @ 2 MHz IF |
| IF Output Level (peak-peak) | 1 Volt (min) @ 1.5 KHz *(see Note)* |
| IF Output Level Variation | 2.0:1 *(see Note)* |
| IF Output Impedance | 560 ohms nominal |
| Operating Temperature Range | -30°C to +70°C |
| Power Supply | +9 Vdc @ 75 mA (max) |

*Note: Test Conditions: When measured at a typical rate of 6.6 Hz through an IF amplifier with a gain of 60 dB and a noise figure of 1.5 dB. RF port connected through a 55 foot cable to a short with 19 dB attenuation one way.*

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