

## X-BAND FM-CW TRANSCEIVER

Model No. 6139-5521-00

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.

