

CHARACTERISTICS	MIN	TYP	MAX	UNITS	CONDITIONS
FREQUENCY RANGE	2.25		6.15	GHz	All specs apply
	2.2		6.2	GHz	Osc. Range @ Room Temp.
POWER OUTPUT 2.3-6.2GHz	9.0		20	dBm	15°C < Tcase < 75°C
POWER OUTPUT 2.2-6.2GHz	11.0		17	dBm	40°C Case
POWER OUTPUT 2.2-6.2GHz	8.0		20	dBm	15°C < Tcase < 75°C
START UP	Must start at 6.2 GHz or when tuning down from 6.62 GHz, and at 2.2 GHz or below when tuning up from 1.58 GHz.				
POWER OUTPUT VARIATION ACROSS BAND 2.2 - 6.2 GHz			4.5	dB	40°C Case
			6.0	dB	15°C < Tcase < 75°C
VSWR OF LOAD					Should operate into an infinite VSWR all phases
FREQUENCY STABILITY	Power Supply Pushing		±150	KHz/°C	15°C < Tcase < 75°C
			±1.0	MHz/V	
HYSTERESIS		1	2	MHz	Error at band center from full sweep both ways
VSWR			5.5:1		
TUNING COIL LINEARITY			8	MHz	Deviation from straight line thru end points
FM NOISE	2 → 6 GHz	71		dB	SSB carrier/noise in a 1 KHz BW-10 KHz from carrier
	6 → 6.2 GHz	68		dB	

SPECIFICATIONS (Continued)

CHARACTERISTICS	MIN	TYP	MAX	UNITS	CONDITIONS
HARMONIC OUTPUT	15.5			dB	Below fundamental
FM COIL SENSITIVITY	180		220	KHz/mA	
NON-HARMONIC SPURIOUS 2.25 - 6.15 GHz	85 *			dB	Below fundamental
TUNING COIL SENSITIVITY	23	24	25	mA/GHz	
TUNING COIL INDUCTANCE		1.0		h	Typical value. Ref. only
TUNING COIL RESISTANCE		52		OHM	at 40°C
TUNING COIL DELAY TIME			200	μSec	Verified at instrument line

\* Will not be oscillator line measured -- will be verified on instrument line