



EYO PIN OUT

Scanned

PIN	FUNCTION
1	NC
2	GROUND (PIN CUT)
3	GROUND
4	+5V
5	+COIL
6	-COIL
7	NC
8	+15.0V
9	- FM
10	+ FM

SUPPLY REQUIREMENTS

+	15V	+/-	0.25V	@	50	ma	MAX
+	5V	+/-	0.20V	@	150	ma	MAX

I. R. F. SPECIFICATIONS

	MIN	TYP	MAX	
FREQUENCY RANGE	3.07		6.83	GHz 5 < Tamb < 65 C
HARMONIC OUTPUT			-13	dBc 5 < Tamb < 65 C
SSB PHASE NOISE			-93 -108 -113 -118	dBc/Hz, 10 KHz Offset dBc/Hz, 30 KHz Offset dBc/Hz, 50 KHz Offset dBc/Hz, 100 KHz Offset
df / dt			+/-150	kHz/deg C
FREQUENCY PULLING			+/-2	MHz 3:1 VSWR ALL PHASE
MAIN COIL SENSITIVITY	22	23	24	mA/GHz *
MAIN COIL RESISTANCE		44	51 @ 75C	OHMS
MAIN COIL INDUCTANCE		.37	.4	HENRYS
LINEARITY			3.0	MHz **
HYSTERESIS		.6	1.5	MHz
FM COIL SENSITIVITY	180	230	280	kHz/mA
FM COIL 3 db BW	2			MHz
FM COIL CURRENT			150	mA
RESIDUAL FM			< 1.0	kHz p-p IN ANY .1 Sec
EFFECTIVE OUTPUT SWR		3:1	4.5:1	VSWR

* Based on a straight line through 3.92 and 5.42 GHz.

** Deviation from straight lines through 3.92 and 5.42 GHz, and from a Breakpoint at 5.42 GHz to 6.62 GHz. Error at 6.62 GHz before slope correction is applied shall not exceed 15 MHz.