

WaveSources

Reno, Nevada 775-322-0968

V-107-010-5

Surface Mount Voltage Controlled Oscillator

95 – 120 MHZ

Electrical Specifications, Data @ 25°C - Specifications subject to change without notice

PARAMETER	TEST CONDITIONS	UNITS	MIN	TYP	MAX
FREQUENCY RANGE		MHZ	95.0		120.0
TUNING VOLTAGE ³		V	0.5		4.5
MOD SENSE ¹		MHZ/V	2.0		10.0
OUTPUT POWER ^{1,2}		dBm	-3.0	0.0	4.0
PUSHING	VCC 4.75 – 5.25	MHZ/V		<1.0	2.0
PULLING	@12db RL, All Angles	MHZ		<1.0	2.0
POWER FLATNESS ^{1,2}		dBm			+/-2
HARMONICS ^{ALL}		dBc		-10	-8
SPURIOUS		dBc			-70
PHASE NOISE	SSB @1KHZ	dBc/HZ		-79	-77
	SSB @10KHZ	dBc/HZ		-109	-107
	SSB @100KHZ	dBc/HZ		-129	-127
	SSB @1000KHZ	dBc/HZ		-146	-144
TEMP RANGE		°C	-40		75
TEMP DRIFT		KHZ/°C			
VCC		V	+4.75	+5.0	+5.25
ICC		MA			15
TUNE CAPACITANCE		PF			50

1. All data specified are with a 50-Ohm load termination.
2. Power Flatness is specified @ MIN, MAX frequencies, and Temp Range.
3. Guaranteed to Operate at 0 and 10 volts.