

WaveSources

Reno, Nevada 775-322-0968

V-704-010-5

Surface Mount Voltage Controlled Oscillator

685 - 720 MHZ

Electrical Specifications, Test Data @ 25°C Subject to change without notice

PARAMETER	TEST CONDITIONS	UNITS	MIN	AVG	MAX
FREQUENCY RANGE		MHZ	685.0		720.0
TUNING VOLTAGE ³		V	0.5		4.5
MOD SENSE ¹		MHZ/V	7.0	10	13
OUTPUT POWER ^{1,2}		dBm		3.0	
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		<-12	-10
SPURIOUS		dBc			-70
PHASE NOISE	SSB @1KHZ	dBc/HZ		-78	-75
	SSB @10KHZ	dBc/HZ		-108	-105
	SSB @100KHZ	dBc/HZ		-128	-125
	SSB @1000KHZ	dBc/HZ		-145	-140
TEMP RANGE		°C	-30		+75
TEMP DRIFT		KHZ/°C			
VCC		V	+4.75	+5.0	+5.25
ICC		MA			20
TUNE CAPACITANCE		PF			47

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.