

WaveSources

Reno, Nevada 775-322-0968

V-1850-010-5

Surface Mount Voltage Controlled Oscillator

1800 - 1900 MHZ

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

PARAMETER	TEST CONDITIONS	UNITS	MIN	TYP	MAX
FREQUENCY RANGE		MHZ	1800.0		1700.0
TUNING VOLTAGE ³		V	0.5		4.5
MOD SENSE ¹		MHZ/V	23		36
OUTPUT POWER ^{1,2}		dBm		0.5	
PUSHING	VCC 4.75 – 5.25	MHZ/V		<1.6	3
PULLING	@12db RL, All Angles	MHZ		<5.0	8.0
POWER FLATNESS ^{1,2}		dBm			+/-2
HARMONICS ^{ALL}		dBc		<-18	-12
SPURIOUS		dBc			-70
PHASE NOISE	SSB @1KHZ	dBc/HZ		-68	-64
	SSB @10KHZ	dBc/HZ		-98	-94
	SSB @100KHZ	dBc/HZ		-118	-114
	SSB @1000KHZ	dBc/HZ		-133	-129
TEMP RANGE		°C	-20		65
TEMP DRIFT		KHZ/°C			
VCC		V	+4.75	+5.0	+5.25
ICC		MA			20
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.