

WaveSources

Reno, Nevada 775-322-0968

V-850-010-5

Surface Mount Voltage Controlled Oscillator

837 - 863 MHZ

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

PARAMETER	TEST CONDITIONS	UNITS	MIN	TYP	MAX
FREQUENCY RANGE		MHZ	837.0		863.0
TUNING VOLTAGE ³		V	0.75		4.25
MOD SENSE ¹		MHZ/V	8		14
OUTPUT POWER ^{1,2}		dBm		2.0	
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		-80	-75
	SSB @10KHZ	dBc/HZ		-107	-104
	SSB @100KHZ	dBc/HZ		-127	-124
	SSB @1000KHZ	dBc/HZ		-145	-144
TEMP RANGE		°C	-20		+65
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.