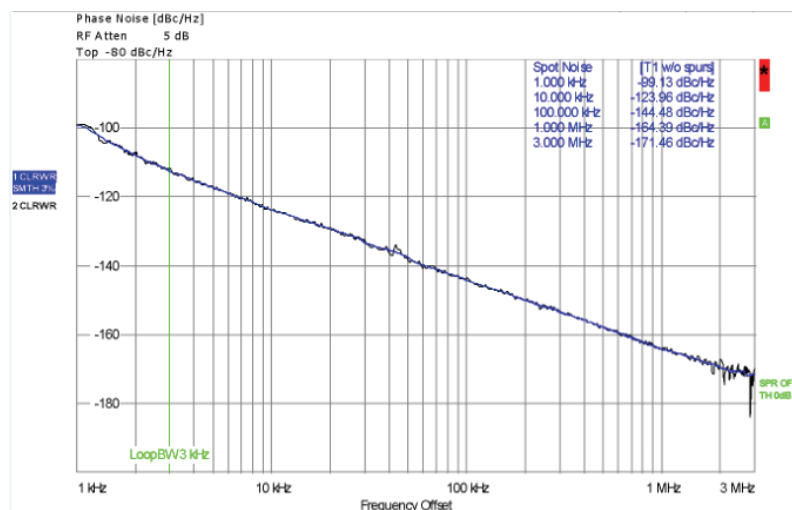
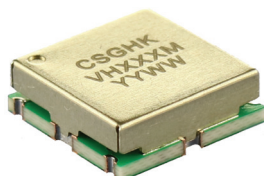


SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 221-237MHz

V237M



FEATURES

- ▶ Miniature Size
- ▶ Surface Mount Package
- ▶ Low Phase Noise Performance
- ▶ Electrically Shielded
- ▶ Highly Linear Tuning

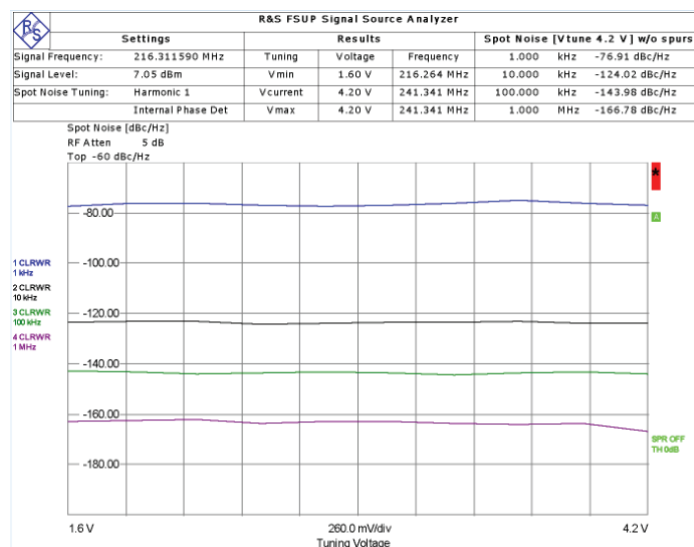
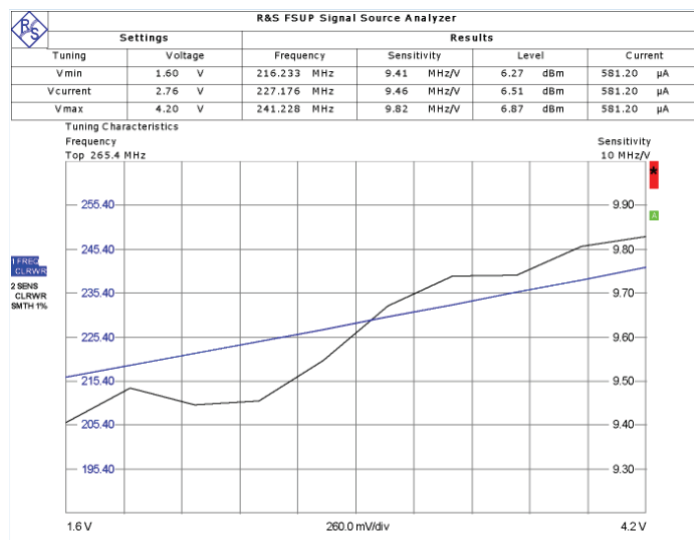
Electrical Specifications, $T_A = +25^\circ\text{C}$, $V_{CC} = +5.0\text{V}$ (unless otherwise stated)

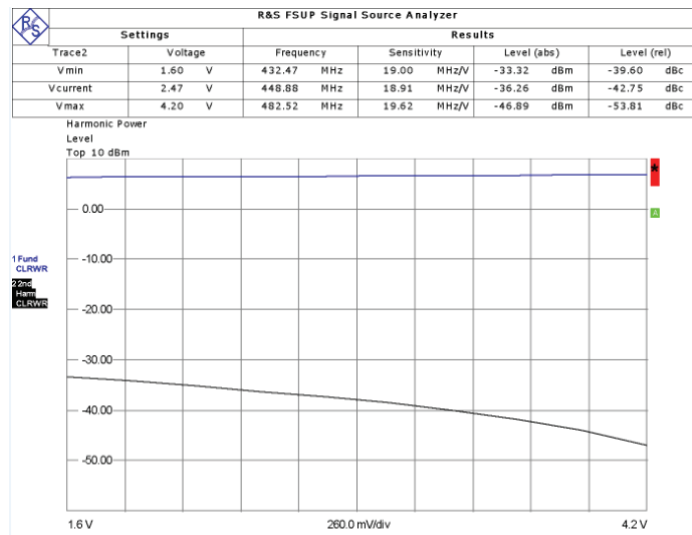
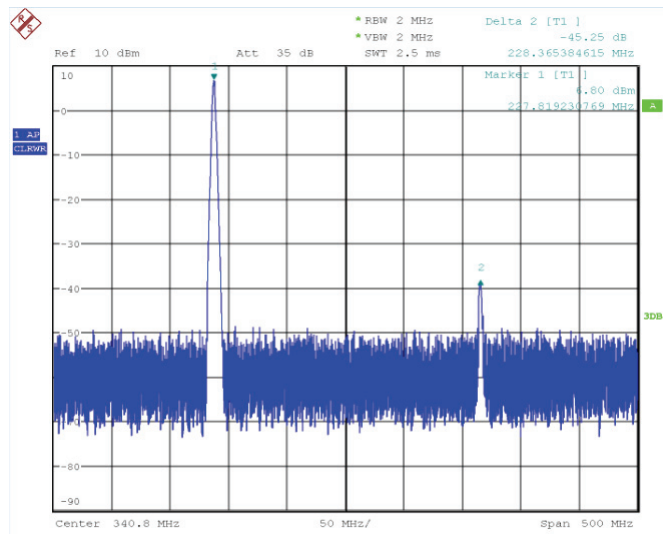
Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		221		237	MHz
Tuning Voltage (V)		1.6		4.2	V
RF Output Power	221-237MHz	4.9	6.5	7.5	dBm
Supply Voltage (Vcc)		4.85	5.0	5.25	V
Supply Current (Icc)			14	16	mA
Phase Noise :					
	@10kHz Offset:	-123	-122		dBc/Hz
	@100kHz Offset:	-144	-143		dBc/Hz
Average Tuning Sensitivity	221-237MHz		9.6		MHz/V
Modulation deviation					KHz
Harmonic Outputs		-57		-40	dBc
OperatingTemperature Range		-55		+85	$^\circ\text{C}$
Tune Input Capacitance			100		PF
Output Impedance -			50		Ω
Package Type	SK625A(9.52X9.52X3.1mm)				

Comments

X Indicates parameter to be tested 100% in production

V TUNE	TUNING SENS. (MHz/V)	FREQUENCY(MHz)			POWER OUTPUT(dBm)			HARMONIC(dBc)		
		-55℃	+25℃	+85℃	-55℃	+25℃	+85℃	-55℃	+25℃	+85℃
1.6	9.4	217.4	216.4	215.4	6.8	6.0	4.9	-41	-40	-40
2.0	9.4	221.4	220.2	219.2	6.8	6.1	5.0	-43	-42	-41
2.5	9.5	226.2	225.0	224.0	6.9	6.3	5.1	-45	-44	-44
3.0	9.6	231.2	229.8	228.6	7.1	6.4	5.2	-49	-47	-46
3.5	9.7	236.0	234.6	233.4	7.3	6.6	5.3	-53	-54	-50
4.0	9.8	240.8	239.4	238.2	7.4	6.7	5.6	-58	-56	-53
4.2	9.8	242.8	241.8	240.2	7.5	6.8	5.6	-58	-57	-54



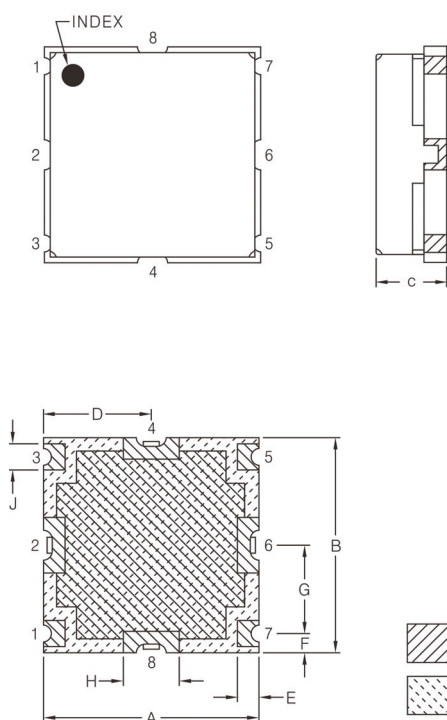


Case Style

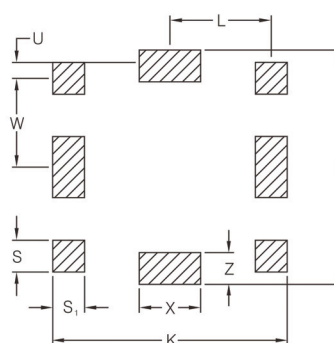
SK625

A

Outline Dimensions



PCB Land Pattern



SK625	A	B	C	D	E	F	G	H	J
MILLIMETERS	9.52	9.52	3.10	4.76	1.00	0.85	3.91	2.40	1.10
INCHES	0.375	0.375	0.122	0.187	0.039	0.033	0.154	0.094	0.043

SK625	K	L	S	S ₁	T	U	W	X	Z
MILLIMETERS	10.3	4.47	1.40	1.40	10.30	0.70	3.91	2.70	1.40
INCHES	0.406	0.176	0.055	0.055	0.406	0.028	0.154	0.106	0.055

PIN	1	2	3	4	5	6	7	8
APPLICATION	VCC	GND	NC	GND	VT	GND	RF OUT	GND

Notes:

1. Case material: Nickel-Silver alloy.
2. Base: Printed wiring laminate.