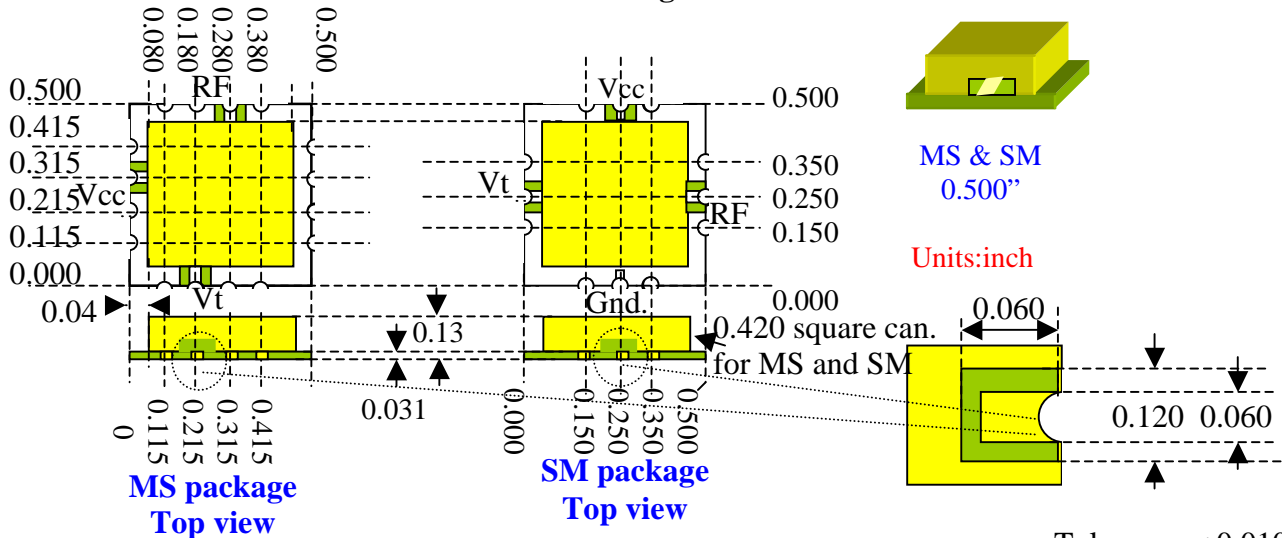


ADITEK VCO Series

RVCO-1.7-2.6-SM-3d5v

SM= High frequency, Mini package, Surface mount, 100% tested

❖ Guaranteed free of non monotonic tuning



Tolerance: ± 0.010
Not to scale

Surface mount package details:

Shield is tin plated Brass

All half holes are plated through for ground continuity to PCB

Base is metalized at ground potential.

Specifications:

Frequency	2047-2518	1760-2335	1810-2560	MHz (others available)
Tuning Voltage	1-11.5	1-16	1-16	Volts (typical)
Tuning Sensitivity	32-64	50-90	50-90	MHz/V typ.
Output power	>10	>10	>10	dBm
Load impedance	50	50	50	Ohms
Pulling (1.5:1 VSWR)		<30	<30	MHz
Spurious (non harmonic)		-90	-90	dBc
Phase noise at 1 KHz		-60	-60	dBc/Hz typ
Phase noise at 10 KHz		-90	-90	dBc/Hz typ.
Phase noise at 100 KHz	-105	-110	-110	dBc/Hz typ.
Harmonic level	-10	-14	-14	dBc
Pushing		<20	<20	MHz/V
Operating temperature	-33 to +75	-40 to +85	-40 to +85	°C
Supply voltage	12	12	12	V dc (min.)
Package	MS	SM	SM	
Supply current	35	50	50	mA maximum

Note1: Tuning sensitivity is an average, it will be both smaller and larger across the frequency band.

Note2: Tuning voltage spec is a minimum to maximum allowable range, **actual** will be much less and between the Values.

Note3: Phase noise stated is worst case, over temperature, actual instantaneous phase noise can be 5 to 10 dB better

RVCO-Te-J

Specifications may be subject to change

5-14-02

WORLD HQ: 1702H Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Telephone: (408) 266-7404 FAX: (408) 266-4483

WEB: www.raditek.com, E-mail: sales@raditek.com