

# Wide Band VCO

# VO3260P/05

## Electrical specification

Parameter	Min.	Typ.	Max.	Unit
Frequency range*	17.0		20.0	GHz
Output power, over all*	14		19	dBm
Power vs. frequency*			4	dB
Power vs. temperature*			2	dB
Temperature drift*			3	MHz/°C
2:nd harmonic			-25	dBc
Spurious			-60	dBc
FM noise* (SSB) 100 kHz			-65	dBc/Hz
1MHz			-95	dBc/Hz
Tuning voltage*	0		+10	V
Tuning sensitivity*	100		600	MHz/V
Non-linearity			±10	%
Pulling, VSWR 1.5:1			±2	MHz
Pushing			1	MHz/V
Slew rate	20			GHz/μs
Modulation bandwidth	100			MHz
PTD**			±25	MHz

T<sub>a</sub> = 25°C, unless otherwise stated.

**Notes:**

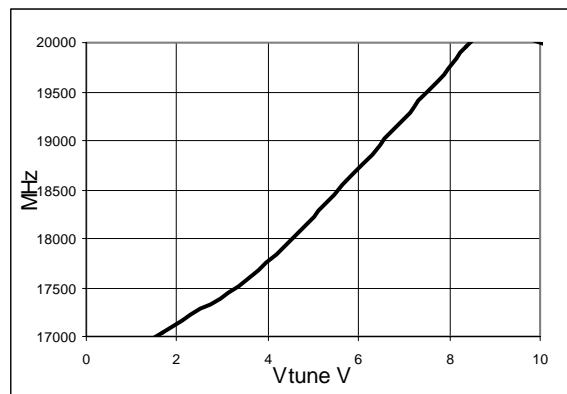
- \* 100% tested and guaranteed values. Other data are indicative.
- \*\* from 1μs to 1s after frequency jump.

## Interface/environmental specification

Parameter	Min.	Typ.	Unit
Bias voltage	14.6	16	V
Bias current*		200	mA
Tuning voltage (damage level)		+21	V
Operating temperature	0	+60	°C
Storage temperature	-50	+100	°C
Weight		7	g

## Typical Pout vs. frequency

## Typical frequency vs. Vtune

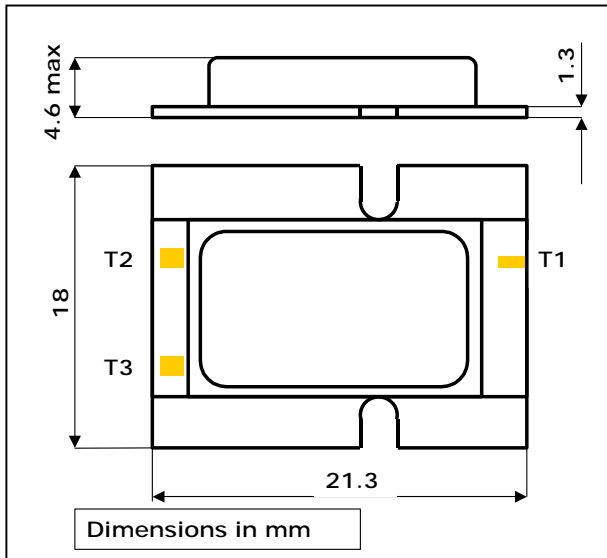


Note: Actual performance for each individual is stored in standard file format!

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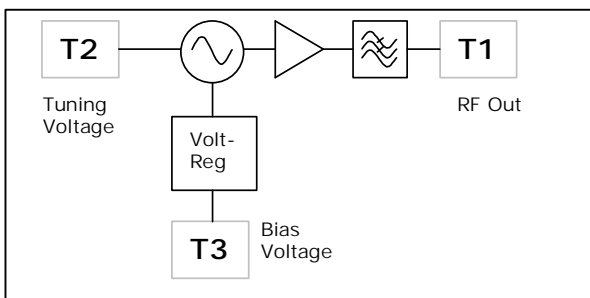
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## Outline drawing

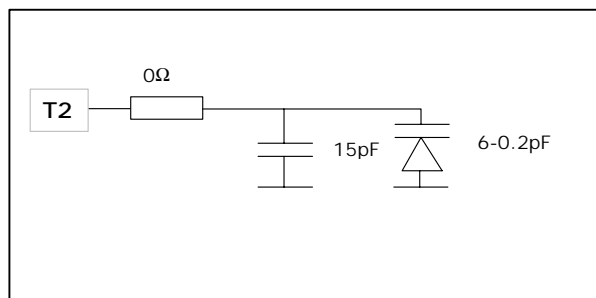


T1	RF Out (50 $\Omega$ )	Bond Pad	0.25 x 0.50 mm
T2	Tuning Voltage	Bond Pad	0.80 x 0.80 mm
T3	Bias Voltage	Bond Pad	0.80 x 0.80 mm

## Simplified block diagram



## Tuning input interface



Data subject to change without notice.  
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