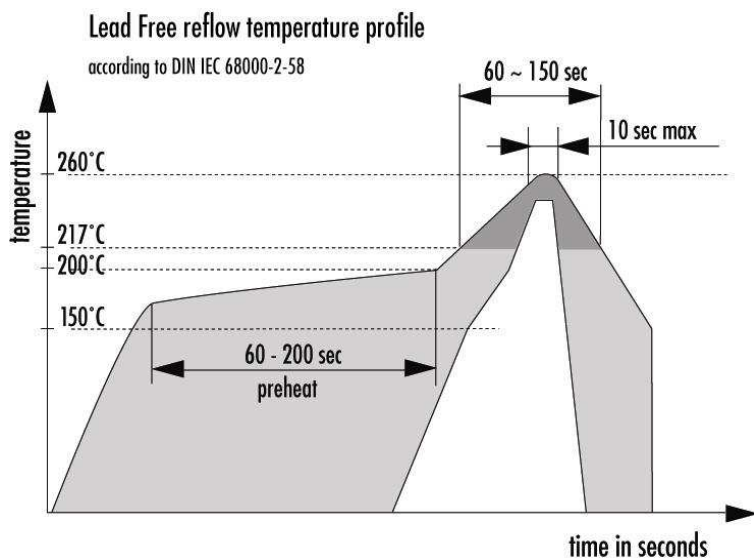


TCXOKSMD SMD 1 GHz
Highly Stable Very Low Noise

Specification

TCXO Specification	Sym.	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency Range	f_0			1000		MHz	
RF output							
Sine-wave	Power Level		0			dBm	
	Load		45	50	55	ohms	
	Harmonics				-25	dBc	
	Sub-harmonics				-45	dBc	
Power supply							
Voltage	V_{cc}		9.5	10.0	10.5	V	
Current consumption		Steady state, +25°C			50	mA	
Frequency control*							
Control voltage range	V_c	Input Impedance > 100Kohm	0.5	5.0	9.5	V	Positive tuning slope
Tuning range			± 11.0		+/- 20.0	ppm	With 10% max. Linearity
Modulation BW		3 dB cutoff	1.0			KHz	
Frequency stability							
vs. temperature		-20°C to 70°C, ref 25°C	-1.0		+1.0	PPM	
vs. 5% change in supply voltage		ref V_{cc} typ.	-0.300		+0.300	PPM	
Frequency Tolerance at 25C		AFTER REFLOW	-2.0		+2.0	PPM	At 5.0V EFC
SSB Phase noise		10 Hz			-65	dBc/Hz	for 1000 MHz operational freq TYPICAL
		100 Hz			-90		
		1 kHz			-115		
		20 kHz			-140		
Aging	First Year	Projected daily and yearly aging after 30 days operation		+/-	1.0	PPM	
	5 years			+/-	4.0	PPM	

Recommended Soldering Profile



Performance Graphs

