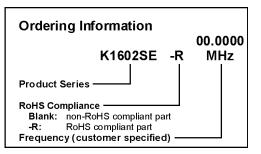
K1602SE Series 14 DIP, 5.0 Volt, Sinewave, TCVCXO

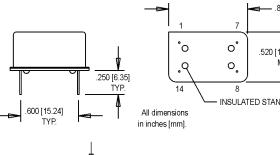


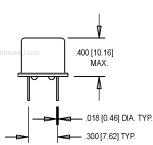




- Former Champion Product
- Phase-Locked Loops, SONET, Reference • Signal, Signal Tracking, ATM







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		1	- INSULAT	ED STANDOFFS
	All dime in inches			

PIN	FUNCTION				
1	EFC, Control Voltage				
7	Ground/Case Gnd				
8	Output				
14	+Vdd				

edElectrical Specifications	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes		
	Frequency Range	F	90		115	MHz			
	Operating Temperature	TA	-40		+85	°C			
	Storage Temperature	Ts	-40		+85	°C			
	Frequency Stability	ÄF/F			±7.0	ppm	See Note 1		
	Aging (10 year)		-2		+2	ppm			
	Control Voltage	Vc	0	2.0	4	V	Positive monotonic slope		
	Tuning Range		±4		±15	ppm	Vc = 0.5V to 3.5V		
	Modulation Bandwidth	fm				kHz	±3dB		
	Input Impedance	Zin	50k			Ω	@ 10kHz		
	Input Voltage	Vdd	4.75	5.0	5.25	V			
	Input Current	ldd			20	mA			
	Output Type						Sinewave		
	Load			50 Ω			See Note 2		
	Output Level		1.0			V р-р	Into 50 Ω		
	Output Power	Po		+2	+4	dBm	50 Ω		
	Start up Time				10	ms			
	Phase Noise (Typical)	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	Offset from carrier		
		-65	-95	-120	-140	-150	dBc/Hz		
Environmental	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C (100 g's, 6 mS duration, 1/2 sinewave)							
	Vibration	Per MIL-STD-202, Method 201 & 204 (10 g's from 10-2000 Hz)							
	Hermeticity	Per MIL-STD-202, Method 112, (1x10-8 atm. cc/s of Helium)							
	Thermal Cycle	Per MIL-STD-883, Method 1010, Condition B (-55°C to +125°C, 15 min. dwell, 10 cycles)							
	Solderability	Per EIAJ-STD-002							
	Soldering Conditions	+240°C max. for 10 secs.							

1. Inclusive of calibration, temperature, voltage, load and aging.

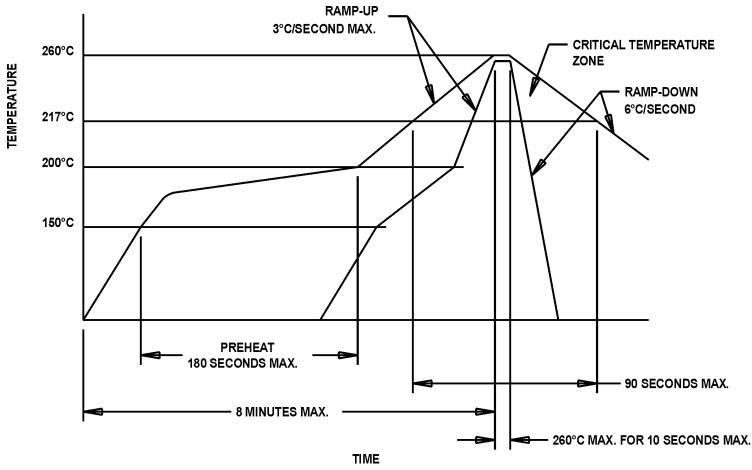
2. See load circuit diagram #8

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Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.

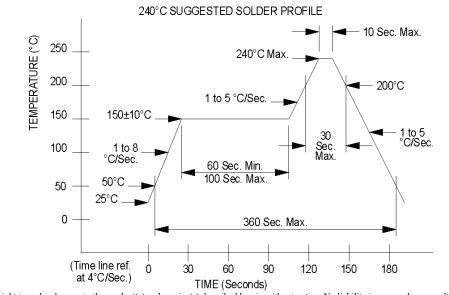
Mtron PTI[®]

MtronPTI Lead Free Solder Profile



MtronPTI Non-RoHS Profile

240°C All the remaining surface mount, both crystal and oscillator.



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