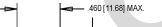
### K1526B & K1536B Series 9x11 mm, 5.0 or 3.3 Volt, CMOS/TTL, VCXO

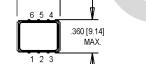


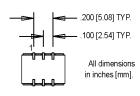




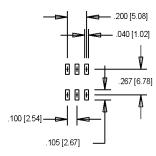
- Former Champion Product
- Phase-Locked Loops (PLL's), Clock Recovery, Reference Signal Tracking, Synthesizers, Frequency Modulation/Demodulation





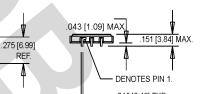


#### SUGGESTED SOLDER PAD LAYOUT

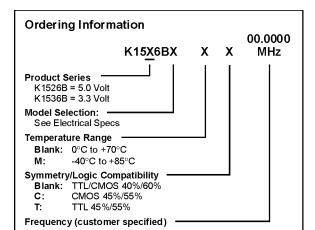


#### **Pin Connections**

PIN	FUNCTION			
1	Voltage Control			
2	Tristate			
3	Ground & Gnd Plane			
4	Output			
5	N/C			
6	+Vdd			



Electrical Specifications



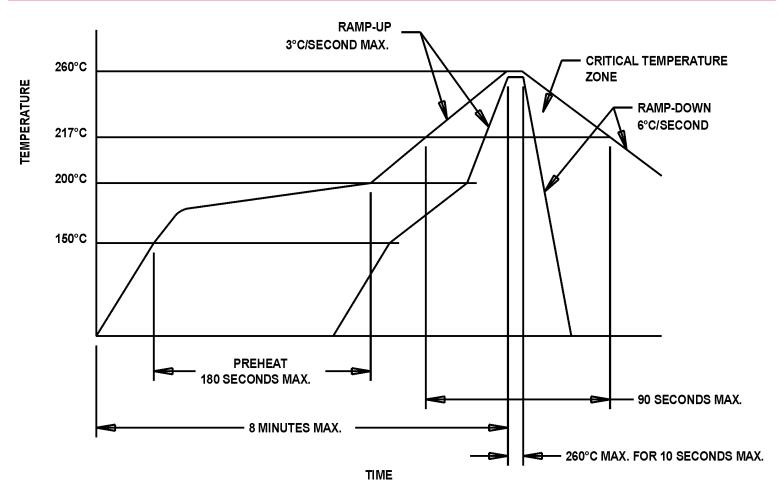
┍╾┥╼╴	.018 [0.46] TYP.						
PAF	RAMETER	Symbol					Units
Mod	lel		K1526BA K1536BA		K1526BD K1536BD	K1526BE	
Fre	quency Range	F	2 to 55	55.1 to 80	2 to 55	2 to 40	MHz
	quency Stability: verall	∆F/F	Inclusive of Calibration, Temperature, Voltage, Load, and Aging				
0	°C to +70°C		±25	±40	±25	±32	ppm
-4	0°C to +85°C		± <b>50</b>	±60	± <b>50</b>	± <b>50</b>	ppm
M	ability linimum laximum		±100 ±150	±80 ±160	±80 ±130	±200	ppm ppm
PAF	RAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes
	erating Temperature	TA		ering Informat		-	
Sto	rage Temperature	Ts	-40		+125	°C	
Т	st Year hereafter (per year)		-3/-5 -1/-2		+3/+5 +1/+2	ppm ppm	< 52 MHz / ≥ 52 MHz < 52 MHz / ≥ 52 MHz
Cor	itrol Voltage	Vc	0.5 0.3 0	2.5 1.65	4.5 3.0 5.0	v v v	K1526B K1536B K1526BE
	earity				10	%	Positive Monotonic Slope
	dulation Bandwidth	fm	20			kHz	+3 dB
	ut Impedance	Zin	50k			Ohms V	@ 10 kHz
Inpi	ut Voltage	Vdd	4.5 3.0	5.0 3.3	5.5 3.6	v v	K1526B K1536B
Inpu	ut Current	ldd			30	mA	
Out	put Type						CMOS/TTL
Loa	d				15	pF	HCMOS
-	nmetry (Duty Cycle)		(See Ordering Information)		ion)		
	ic "1" Level	Voh	Vdd -0.5			V	
	ic "0" Level	Vol			0.5	V	
	put Current				20	mA	
	e/Fall Time	Tr/Tf			5	ns	20% to 80% Vdd, CL = 15 pF
Tris	tate Function		Input Logic "1" or floating: output active Input Logic "0": output disables to high-Z				
Sta	rt up Time	Time		10	ms		
Pha	se Jitter @ 26 MHz	φJ		4		ps RMS	Integrated 12 kHz - 20 MHz
	se Noise (Typical)	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	Offset from carrier
@	) <b>26 MH</b> z	-65	-95	-115	-130	-140	dBc/Hz

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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**<sup>®</sup>

## **MtronPTI Lead Free Solder Profile**



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