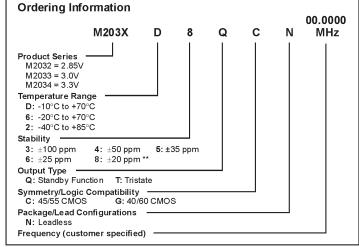
## M2032, M2033, and M2034 Series





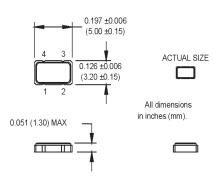
- ±20 ppm stability
- Tri-state or standby function
- Ideal for WLAN and IEEE802.11 **Applications**
- Low power applications

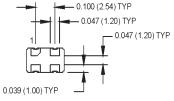




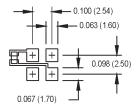
M2034S021 datasheet - Contact Factory

\*\*-10°C to +70°C only









Pin	Conn	ections

PIN	Function			
1	Standby/Tristate			
2	Ground			
3	Output			
4	+Vdd			

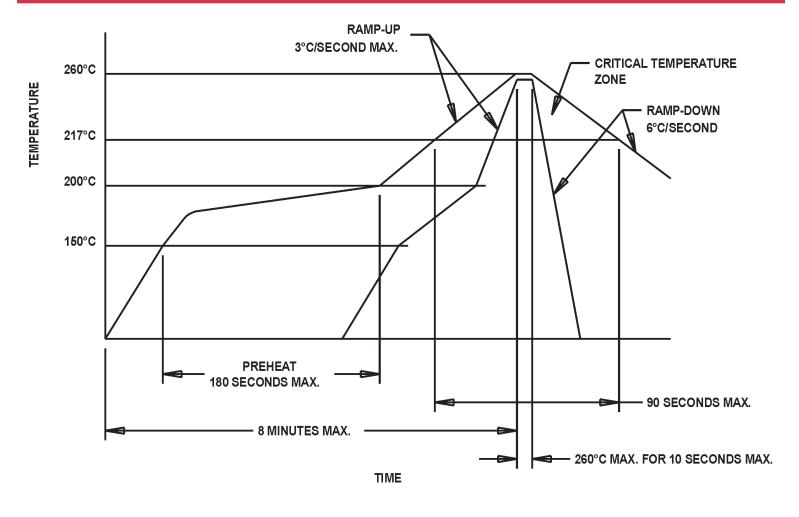
	PARAMETER	Symbol	Min.	Тур.	Max.	Units.	Condition		
	Frequency Range	F	1.5		80	MHz	See Note 1		
	Frequency Stability	ΔF/F			±20	ppm	See Note 2		
	Operating Temperature	TA	(See Order						
	Input Voltage	Vdd	3.15	3.3	3.45	V	3.3V		
			2.85	3.0	3.15	V	3.0V		
			2.7	2.85	3.0	V	2.8V		
	Input Current	ldd							
ျေး	1.500 to 20.000 MHz				15	mA	3.3V		
.⊡	20.001 to 50.000 MHz				20	mA			
cat	50.001 to 80.000 MHz				45	mA			
Specifications	Symmetry (Duty Cycle)		45		55	%	½ Vdd		
l š	Rise/Fall Time	Tr/Tf							
	22.000 to 44.000 MHz				6	ns	10% to 90% Vdd		
<u> </u>	80.000 MHz				4	ns	10% to 90% Vdd		
Electrical	Logic "1" Level	Voh	90% Vdd			V			
ec	Logic "0" Level	Vol			10% Vdd	V			
	Output Current	loh	-2			mA			
		Lol	+2			mA			
	Output Load				15	pF			
	Start-up Time			5	10	ms			
	Standby Current				10 g: clock signa	μΑ			
	Standby/Tristate Function								
		Pin 1 low: output disables to high impedance							
	Output Disable Time				150	ns			
	Output Enable Time				5	ms			
-									
Environmental	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C							
le l	Vibration	Per MIL-STD-202, Method 201 & 204							
١ž	Reflow Solder Conditions	+260°C for 10 seconds maximum							
Ιį	Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 <sup>-8</sup> atm.cc/s of helium)							
اءً	Solderability	Per EIAJ-STD-002							
	Concult factory for available fraguencies in this range								

- 1. Consult factory for available frequencies in this range.
- 2. Inclusive of calibration, deviation over temperature, supply voltage change, load change, shock, vibration, and 10 years aging

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## MtronPTI Lead Free Solder Profile



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