



# Temperature Compensated Crystal Oscillator

## TCXO 1215

### Features

- Compact DIL-8 Package
- Wide Frequency Range
- Custom Options available
- RoHS Compliant

### Mechanical Specifications

Outline	
Top View	
Front View	
Bottom View	
▲ All dimensions are in mm. Tolerance is ±0.1 mm, unless otherwise specified. Sharp edges indicates Pin No. 1.	

### Pin Configuration:

Pin	Option N	Option V
1	No Connection	Control Voltage
4	Ground	Ground
5	Output	Output
8	DC Input	DC Input

Specifications	Variant		Option Codes
	H	T	
Frequency Range: 2 MHz ~ 30 MHz	■	■	
Output Drive: 15 pF, HCMOS/ TTL	■	■	H/T
Output Levels: Logic '0' = +0.5 V (max.), '1' = +4.0 V (min.) Logic '0' = +0.4 V (max.), '1' = +2.4 V (min.)	■	■	
Rise/ Fall time: 10 ns (max.)	■	■	
Waveform Symmetry: 40:60 (max.) @ 2.5 V 40:60 (max.) @ 1.4 V	■	■	
Frequency Accuracy: ±1 ppm (max.) at 25°C ± 2°C	■	■	■
Temperature Stability: Select from Table 1	<input type="checkbox"/>	<input type="checkbox"/>	Specify
Operating Temperature Range (OTR): Select from Table 1	<input type="checkbox"/>	<input type="checkbox"/>	Specify
Supply Voltage, V <sub>dd</sub> : +3.3 V (± 5%) +5.0 V (± 5%)	■	■	3 5
Supply Current: 20 mA (max.) (<20 MHz) 30 mA (max.) (20 ~ 30 MHz)	■	■	
Frequency Adjustment Option: External Control Voltage (0.5 V <sub>dd</sub> ± 0.5 V <sub>dd</sub> ) None	<input type="checkbox"/>	<input type="checkbox"/>	V N
Aging: ± 2 ppm (max.) per year	■	■	
Storage Temperature Range: -55°C to +125°C	■	■	

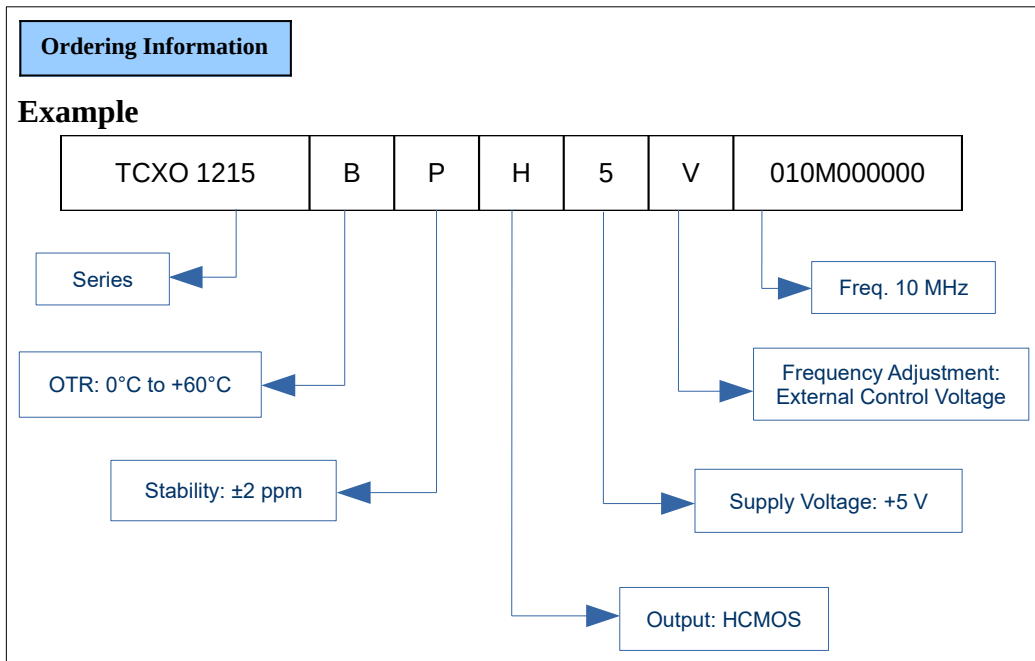
■ Standard,  Optional – please specify required code(s) when ordering.

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**Table 1**

OTR Codes	Stability Codes		Z	P	Q	R	B	D
	Temperature Stability		± 1.5 ppm	± 2 ppm	± 2.5 ppm	± 3 ppm	± 5 ppm	± 10 ppm
A	Operating Temperature Range	0°C to +50°C						
B		0°C to +60°C						
F		0°C to +70°C						
D		-10°C to +60°C						
E		-10°C to +70°C						
C		-20°C to +70°C						
G		-30°C to +80°C						
H		-30°C to +85°C						
I		-40°C to +85°C						

Denotes Available     Denotes not Available



Specifications subject to change without notice

Rev. Date: 9<sup>th</sup> July 2021

Note: Not all combination of options are available. Other specifications may be available upon request.

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