



### FEATURE

- Wide frequency range
- Custom Options available
- RoHS Compliant Standard

**Table 1**

Codes	Stability Codes				
	Frequency Stability	X ±0.5 PPM	Y ±1.0 PPM	Z ±1.5 PPM	P ±2.0 PPM
A	0 to +50° C				
B	0 to +60° C				
F	0 to +70° C				
D	-10 to +60° C				
E	-10 to +70° C				
C	-20 to +70° C				
G	-30 to +80° C				
H	-30 to +85° C				
I	-40 to +85° C				

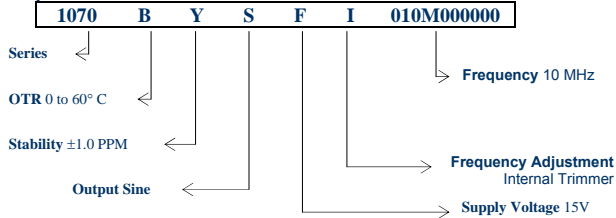
Denotes Available     Denotes not Available

**Table 2**

Supply Voltage	5V	10V	12V	15V
Code	5	A	C	F

### Ordering Information

#### Example



Parameters	Variant			Option Codes
	H	T	S	
<b>Series:</b> TCXO 1020 TCXO 1040 TCXO 1070	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Frequency Range:</b> 1 MHz – 150 MHz (1020,1040&1070) 5 MHz – 150 MHz (1020&1040) 5 MHz – 400 MHz (1070)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Output Drive:</b> 15 pF HCMOS / TTL Sine wave Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Specify
<b>Output Levels:</b> Logic '0' = +0.5V max, '1' = +4.0V min Logic '0' = +0.4V max, '1' = +2.4V min +0 dBm (min) into 50Ω	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Rise / Fall time:</b> 10 ns max	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Waveform Symmetry:</b> 40:60 max @ 2.5V 40:60 max @ 1.4V	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Frequency at Room Temperature:</b> ±1.0ppm at 25°C±2°C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Frequency Stability:</b> (Table 1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Specify
<b>Temperature Range:</b> (Table 1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Specify
<b>Supply Voltage (V<sub>DD</sub>):</b> (Table 2) +5.0V DC (±5%) +12.0V DC (±5%) +15.0V DC (±5%) Other	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Specify
<b>Supply current:</b> 20 mA max (<20.0 MHz) 30 mA max (20.0 ~ 50.0 MHz) 50 mA max (>50 MHz)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<b>Supply Voltage Stability:</b> ± 0.1 ppm max.per 5% change	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Ageing:</b> ± 1.0 ppm max per year	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Frequency adjustment:</b> Control voltage trim (0.5 Vcc ± 0.5 Vcc) Internal trimmer None	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	V I N
<b>Storage Temperature Range:</b> -55 to +125° C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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

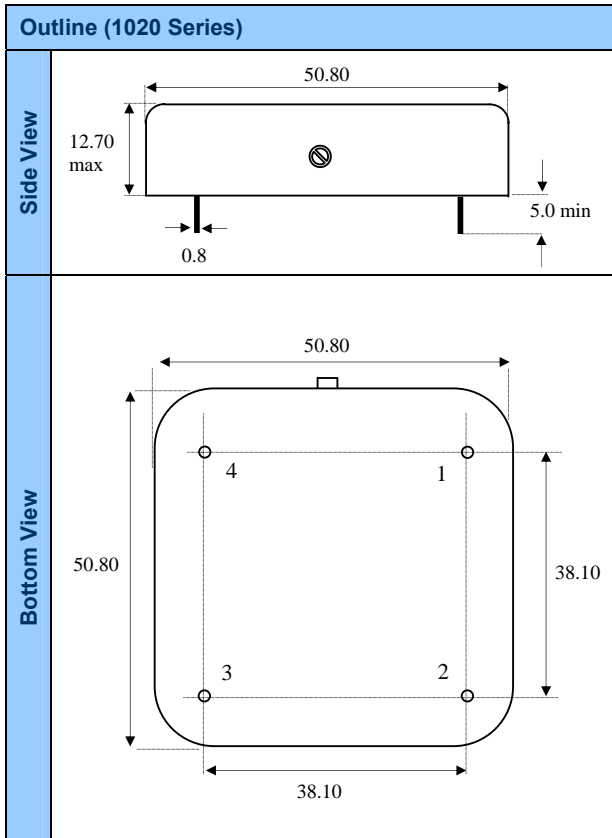
Specifications subject to change without notice  
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**MECHANICAL SPECIFICATIONS**



**Pin Configuration of TCXO 1020**

Pin	Option N&I	Option V
1	DC Input	DC Input
2	Ground	Ground
3	No Connection	Control Voltage
4	Output	Output

**Pin Configuration of TCXO 1040**

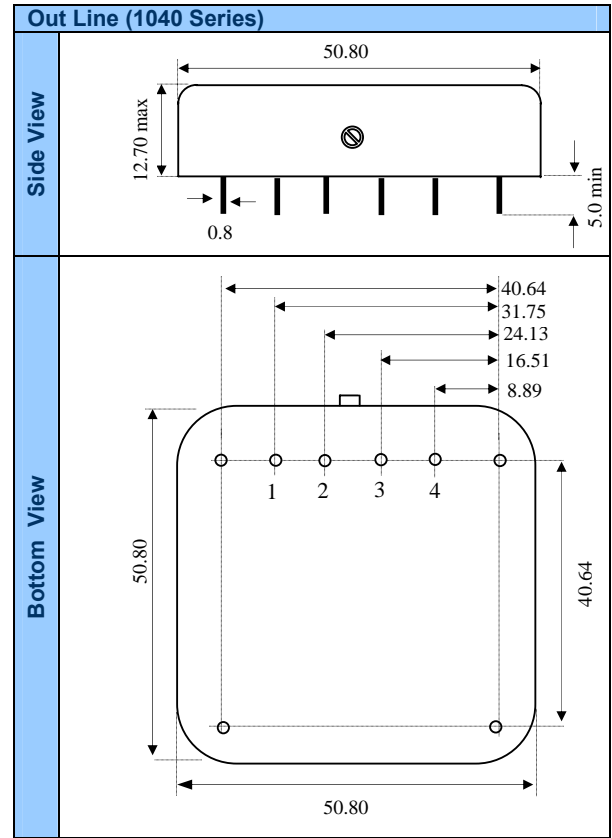
Pin	Option N&I	Option V
1	DC Input	DC Input
2	Output	Output
3	Ground	Ground
4	No Connection	Control Voltage

**Pin Configuration of TCXO 1070**

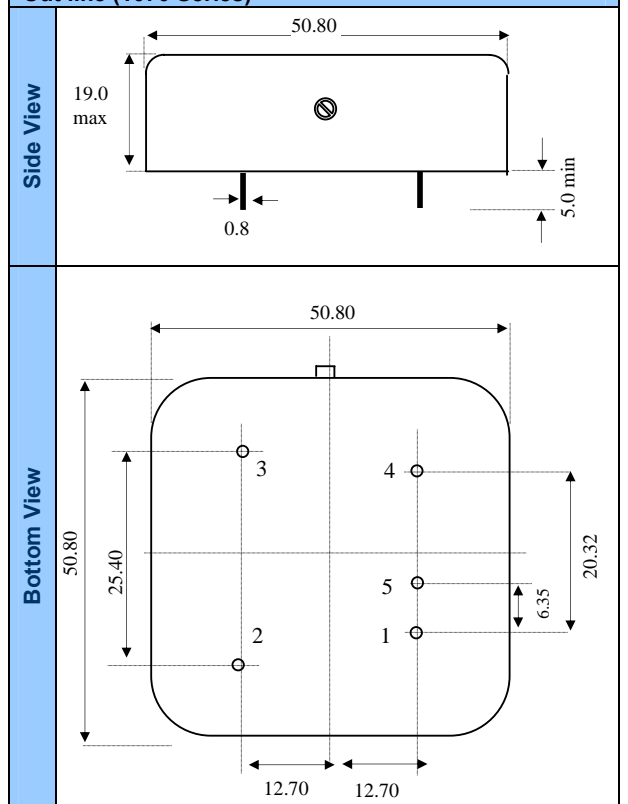
Pin	Option N&I	Option V
1	Output	Output
2	DC Input	DC Input
3	Ground	Ground
4	Ground	Control Voltage
5	Ground	Ground

▲ All dimensions are in mm.

**MECHANICAL SPECIFICATIONS**



**Out line (1070 Series)**



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