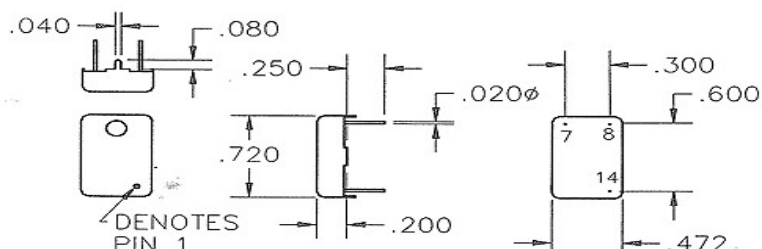


TCXO, Low Profile SMD

DATA SHEET																			
Part Number	TC1005S																		
Frequency Range	8.000MHz ~ 45.000MHz																		
Frequency Stability	±3.0PPM Std (See Option Table)																		
Operating Temperature Range	0°C ~ +50°C Standard (See Option Table)																		
Supply Voltage	+5.0VDC ±5%																		
Frequency Stability vs Supply Voltage	±0.5PPM Max																		
Current Consumption	5mA Max																		
Output Wave Form	Clipped Sine																		
Output Load	10KΩ // 10pF																		
Output Voltage	1V _{p-p} Min																		
Aging per year	±1.0PPM Max																		
Storage Temperature	-40°C ~ 85°C																		
Frequency Adjustment	Mechanical Trimmer, ±3.0PPM Min																		
OUTLINE DRAWING																			
 <table border="1" data-bbox="957 884 1101 1052"> <thead> <tr> <th colspan="2">Pin Connection</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N/C</td> </tr> <tr> <td>7</td> <td>GND</td> </tr> <tr> <td>8</td> <td>Output</td> </tr> <tr> <td>14</td> <td>+Vcc</td> </tr> </tbody> </table>		Pin Connection		1	N/C	7	GND	8	Output	14	+Vcc								
Pin Connection																			
1	N/C																		
7	GND																		
8	Output																		
14	+Vcc																		
PART NUMBER TABLE																			
<table border="1" data-bbox="151 1209 574 1556"> <thead> <tr> <th>Option Code</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Stability ±1.0 PPM</td> </tr> <tr> <td>B</td> <td>Stability ±2.5 PPM</td> </tr> <tr> <td>C</td> <td>Stability ±5.0 PPM</td> </tr> <tr> <td>D</td> <td>Stability ±2.0 PPM</td> </tr> <tr> <td>E</td> <td>Operating Temp 0°C ~ +50°C</td> </tr> <tr> <td>Y</td> <td>Operating Temp -10°C ~ +65°C</td> </tr> <tr> <td>Z</td> <td>Operating Temp -30°C ~ +75°C</td> </tr> <tr> <td>Q</td> <td>Custom Operating Temperature</td> </tr> </tbody> </table>	Option Code	Specification	A	Stability ±1.0 PPM	B	Stability ±2.5 PPM	C	Stability ±5.0 PPM	D	Stability ±2.0 PPM	E	Operating Temp 0°C ~ +50°C	Y	Operating Temp -10°C ~ +65°C	Z	Operating Temp -30°C ~ +75°C	Q	Custom Operating Temperature	<p style="text-align: center;">Part Number Generation</p> <p style="text-align: center;">TC1005S · Option Code · Frequency ex: TC1005SX-10.000M (±3.0PPM stability, 0°C ~ +50°C)</p> <p style="text-align: center;">Please contact factory for custom specifications</p>
Option Code	Specification																		
A	Stability ±1.0 PPM																		
B	Stability ±2.5 PPM																		
C	Stability ±5.0 PPM																		
D	Stability ±2.0 PPM																		
E	Operating Temp 0°C ~ +50°C																		
Y	Operating Temp -10°C ~ +65°C																		
Z	Operating Temp -30°C ~ +75°C																		
Q	Custom Operating Temperature																		