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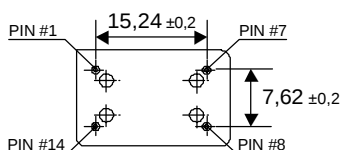
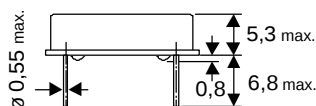
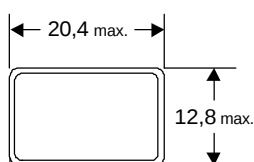
SMI

TTL CLOCK-OSCILLATOR SXO-1000T



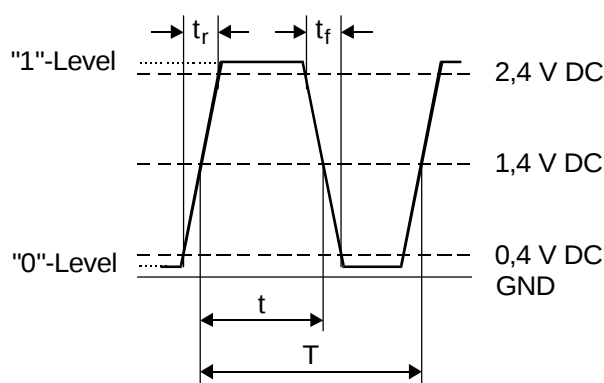
Part No.	SXO-1100T	SXO-1050T																								
Frequency Range	250 kHz to 100 MHz																									
Frequency Stability over all conditions	±100 ppm (±0,01%)	±50 ppm (±0,005%)																								
Operating Conditions	Operating Temperature 0°C to +70°C Storage Temperature -50°C to +125°C Input Voltage (V _{CC}) +5V DC ±0,5V																									
Input Current	50 mA max.																									
Output (0°C to +70°C)	<table> <tr> <td>Symmetry</td><td>t/T x 100(%)</td><td>50% ±10% at +1,4V DC level</td></tr> <tr> <td>Rise and fall times (0,4V to 2,4V DC level)</td><td>15 ns max.</td><td>250,000 kHz to 8,999 MHz</td></tr> <tr> <td></td><td>10 ns max.</td><td>9,000 MHz to 39,999 MHz</td></tr> <tr> <td></td><td>8 ns max.</td><td>40,000 MHz to 59,999 MHz</td></tr> <tr> <td></td><td>6 ns max.</td><td>60,000 MHz to 100,000 MHz</td></tr> <tr> <td>"0" level</td><td></td><td>+0,4V max.</td></tr> <tr> <td>"1" level</td><td></td><td>+2,4V min.</td></tr> <tr> <td>Load</td><td></td><td>1 to 10 TTL gates</td></tr> </table>		Symmetry	t/T x 100(%)	50% ±10% at +1,4V DC level	Rise and fall times (0,4V to 2,4V DC level)	15 ns max.	250,000 kHz to 8,999 MHz		10 ns max.	9,000 MHz to 39,999 MHz		8 ns max.	40,000 MHz to 59,999 MHz		6 ns max.	60,000 MHz to 100,000 MHz	"0" level		+0,4V max.	"1" level		+2,4V min.	Load		1 to 10 TTL gates
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OUTLINE DIMENSIONS (mm)



PIN	CONNECTION
1	N.C.
7	GND
8	OUTPUT
14	V _{CC}

OUTPUT WAVEFORM



TEST CIRCUIT

