

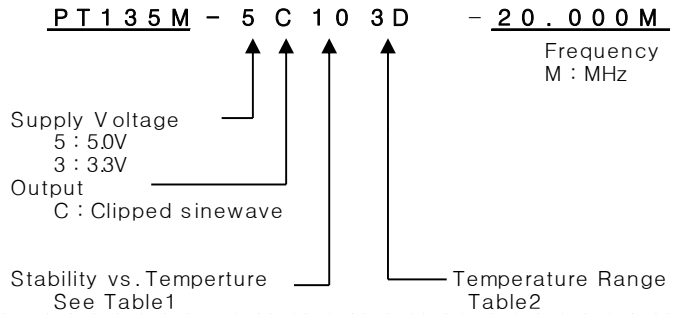
TCXO

PT135M Series

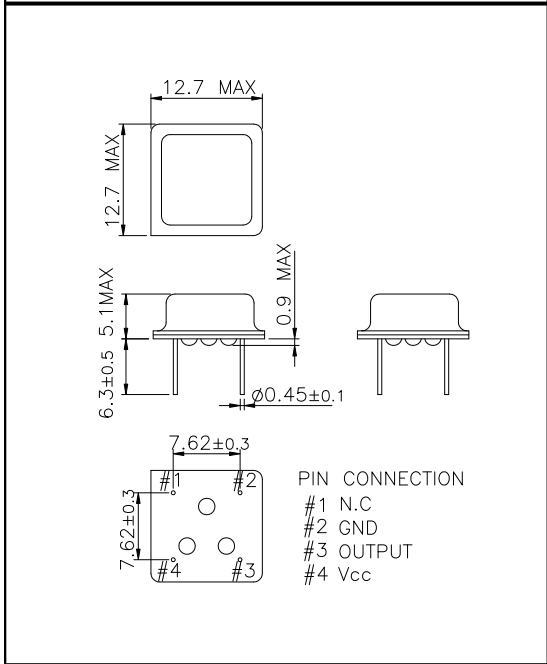
Clipped sinewave

8PIN DIP PACKAGE

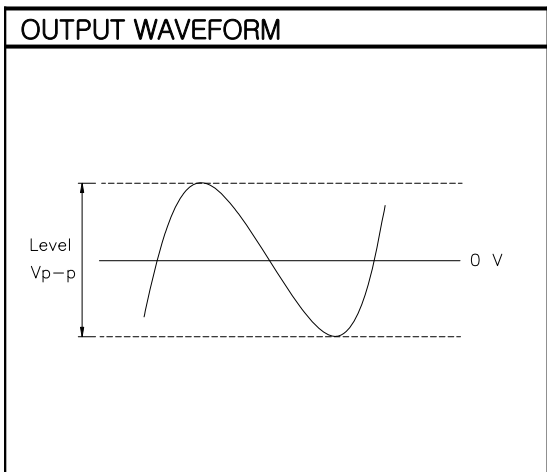
* PART NUMBERING GUIDE



MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION
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Frequency range	6.000MHz to 190.000MHz (All combinations for Frequency in the range and temp. stability can't be available, please contact factory.)
Frequency Stability vs. Temperature vs. Supply Voltage vs. Load vs. Aging	±0.5 ppm to ±5.0ppm ±0.1 / ±0.2 ppm max / Vdd ± 5% ±0.2 ppm max / 15pF ±10% ±1.0 ppm max/ year
Temperature Range Operating Storage	See Table 2 -55°C to 125°C
Supply Voltage	3.3V ± 5% 5.0V ± 5%
Input Current Clipped sinewave	6.00MHz ~ 190.000MHz 2.0mA max ~ 30mA max
Output characteristics	Clipped sinewave Level 3.3V 0.8Vp-p min 5.0V 1.0Vp-p min Load 10kΩ//10pF
Phase Noise (typical) @20MHz	-80 dBc / Hz @ 10Hz -120 dBc / Hz @ 100Hz -135 dBc / Hz @ 1KHz -140 dBc / Hz @ 10KHz -145 dBc / Hz @100KHz
Frequency Adjustment	±3ppm min by internal trimmer



ENVIRONMENTAL & MECHANICAL SPECIFICATION

Shock	MIL-STD-883C, Method 2002, Condition B
Vibration	MIL-STD-883C, Method 2007, Condition A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 1014, Condition C & A2
Marking	MIL-STD-202F, Method 215

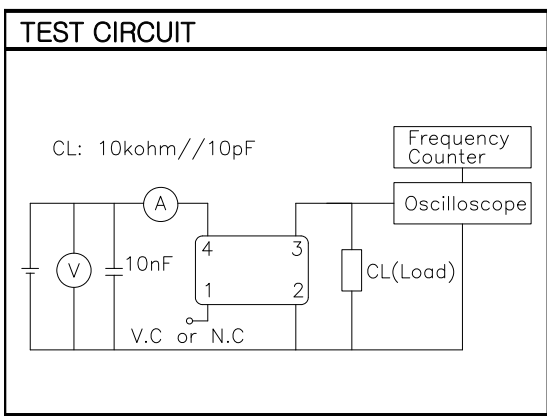


TABLE1		TABLE2			
Symbol	Stability	Symbol	Temp.	Symbol	Temp.
05	±0.5ppm	0	0°C	A	50°C
10	±1.0ppm	1	-10°C	B	60°C
15	±1.5ppm	2	-20°C	C	70°C
20	±2.0ppm	3	-30°C	D	75°C
25	±2.5ppm	4	-40°C	E	80°C
30	±3.0ppm			F	85°C
35	±3.5ppm				
50	±5.0ppm				