

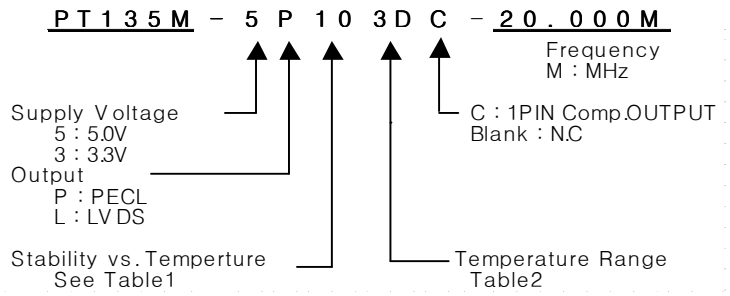
TCXO

PT135M Series

PECL/LVDS

8PIN DIP PACKAGE

* PART NUMBERING GUIDE



MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																															
<p>PIN CONNECTION #1 N.C or Comp.OUTPUT #2 GND #3 OUTPUT #4 Vcc</p>	Frequency range	0.75MHz to 800.000MHz All combination of Frequency range Vs. Package type might not be available ,please contact factory.																																														
	Frequency Stability vs. Temperature vs. Supply Voltage vs. Load vs. Aging	±0.5 ppm to ±5.0ppm ±0.1 / ±0.3 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 3.3 V , 5V	24.000MHz ~ 800.000MHz 25mA max ~ 100mA max																																														
	Output characteristics	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>pecl</th> <th>lvds</th> </tr> </thead> <tbody> <tr> <td>Voh Logic "1"</td> <td>Vdd-1.025v min.</td> <td>1.43v typ.</td> </tr> <tr> <td>Vol Logic "0"</td> <td>Vdd-1.620v max.</td> <td>1.10v typ.</td> </tr> <tr> <td>Rise Time Tr</td> <td>1.0 nsec max.</td> <td>1.0 nsec max.</td> </tr> <tr> <td>Fall Time Tf</td> <td>1.0 nsec min.</td> <td>1.0 nsec min.</td> </tr> <tr> <td>Duty Cycle</td> <td>50//50 ± 5%</td> <td>50//50 ± 5%</td> </tr> <tr> <td>Differential Output</td> <td>Vod(Lvds)</td> <td>330mV typ.</td> </tr> <tr> <td>Offset Voltage</td> <td>Vos(Lvds)</td> <td>1.2V typ.</td> </tr> </tbody> </table>		pecl	lvds	Voh Logic "1"	Vdd-1.025v min.	1.43v typ.	Vol Logic "0"	Vdd-1.620v max.	1.10v typ.	Rise Time Tr	1.0 nsec max.	1.0 nsec max.	Fall Time Tf	1.0 nsec min.	1.0 nsec min.	Duty Cycle	50//50 ± 5%	50//50 ± 5%	Differential Output	Vod(Lvds)	330mV typ.	Offset Voltage	Vos(Lvds)	1.2V typ.																						
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	Phase Noise (typical) 20MHz offset	-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																																														
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	Shock Vibration Solderability Seal integrity Marking	MIL-STD-883C, Method 2002, Condition B MIL-STD-883C, Method 2007, Condition A MIL-STD-883C, Method 2003 MIL-STD-883C, Method 1014, Condition C & A2 MIL-STD-202F, Method 215																																														
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