

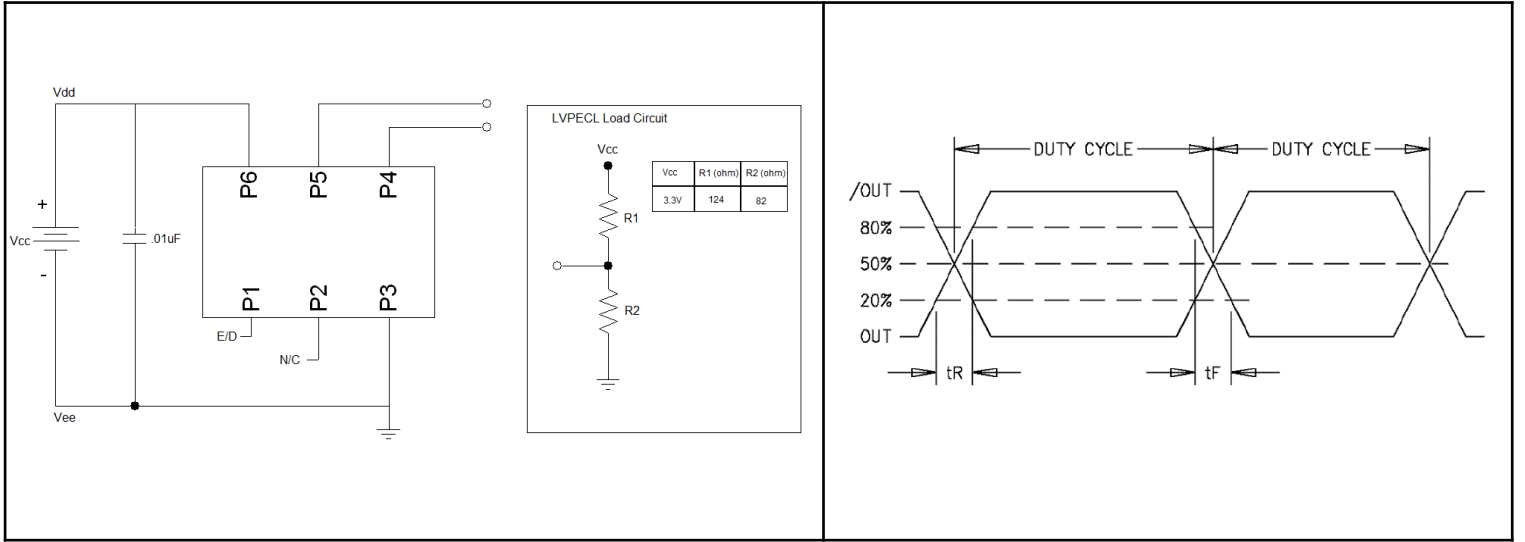
ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Frequency of Operation	F ₀		156.25000		MHz	
Frequency Stabilities						
vs. Temperature	$\Delta F/F$	-25		+25	ppm	Includes calibration tolerance and deviation over operating temperature range.
vs. Aging		-3.0		+3.0	ppm	1 st year @ 25°C
RF Output						
Output Type		LVPECL Compatible				
Output Load		50 Ω to (V _{DD} -2.0) V _{DC}			V	
Waveform Symmetry (duty cycle)		45	50	55	%	Ref to 50% of waveform
Rise/Fall Time	T _R /T _F			0.8	ns	20% to 80% of waveform
Logic Level "1"	V _{OH}	2.275			V	V _{DD} = 3.3
Logic Level "0"	V _{OL}			1.680	V	
Enable Logic (Pad 1)		2.31			V	Output Enabled
Disable Logic (Pad 1)				0.99	V	Output Disabled to high Z
Start-up Time	T _{SU}			10	ms	T _{ambient} = +25°C
Operating Voltage and Current						
Operating Voltage	V _{DD}	3.135	3.300	3.465	V	
Operating Current	I _C			50	mA	
Temperature						
Operating Temperature Range		-40		+85	°C	
Storage Temperature Range		-55		+125	°C	
Other Parameters						
Phase Jitter	Φ_J			0.1	ps	12kHz to 20MHz

ENVIRONMENTAL CONDITIONS

Mechanical Shock	Per MIL-STD-202, Method 213, Condition C (100 g's, 6 ms duration, ½ sinewave)
Vibration	Per MIL-STD-202, Method 201 & 204 (10 g's from 10-2000 Hz)
Solderability	Per EIAJ-STD-002
Thermal Cycle	Per MIL-STD-883, Method 1010, B (-55°C to 125°C, 15 min. dwell, 10 cycles)
Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 ⁻⁸ atm cc/s of Helium)
Moisture Sensitivity Level	MSL1
Solderability	Per EIAJ-STD-002
Soldering Conditions	See solder profile, Figure 1
Package Type	2.00 mm (typ) X 2.50 mm (typ) X 1.10 (max) mm 6-pad leadless ceramic. RoHS compliant.

LOAD CIRCUIT DIAGRAM and OUTPUT WAVEFORM

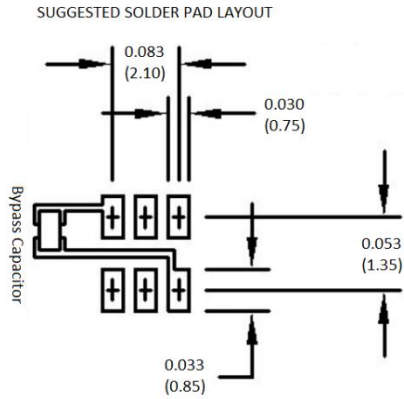
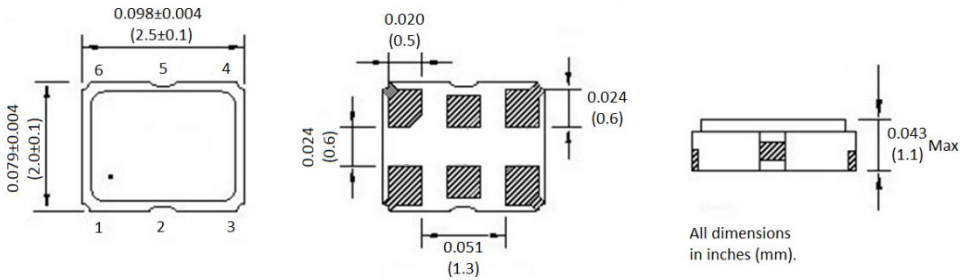


MECHANICAL AND PIN OUT INFORMATION

Pad	Function
1	Enable Disable
2	N/C
3	Ground
4	Output
5	Complementary Output
6	Supply VDD+

Part Marking	
Line 1	156M250
Line 2	Myywwvv

Legend	
M	MtronPTI
yy	Year
ww	Work week
vv	Factory code



Data Sheet Revision Table			
Date	Rev	Author	Details of Revision
04/20/23	A	AR	Original Release