



Electrical Specifications:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions	
Frequency of Operation	Fo		250.000000		MHz		
Frequency Tolerance		-1.0		+1.0	ppm	@ +25°C	
Frequency Stability							
vs. Temperature	$\Delta F/F$			4.6	ppm	(Max-Min)/2	
vs. Aging		-3		+3	ppm	1 st year	
		-1		+1	ppm	Per year thereafter.	
vs. Supply Voltage	$\Delta F_{VDD}/F$		±0.40		ppm	5% voltage variation	
vs. Reflow			±0.75		ppm	2 Reflows max.	
vs. Load	$\Delta F_{LOAD}/F$		±0.20		ppm	5% voltage variation	
			RF Outpu	It			
Output Type		Differe	ntial LVDS Corr	npatible			
Output Load		100 Ω Differential			V		
Output Skew			20		ps		
Common Mode Output			1.2		V		
Voltage							
Differential Output Voltage		250	425	500	mV	LVDS Load	
Symmetry (duty cycle)	T _{DC}	45		55	%		
Rise/Fall Time	T_R/T_F			0.35	nS	From 20% to 80% Vcc	
Supply Voltage & Power Consumption							
Operating Voltage	V _{cc}	2.375	2.5	2.625	V		
Operating Current	Icc			100	mA		

Environmental Conditions:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Operating Temperature	TA	-55		+105	°C	
Storage Temperature	Ts	-55		+125	°C	
Shock	Per MIL-STD-202, Method 213, Condition C (100 g's, 6 ms duration, 1/2 sinewave)				duration, ½ sinewave)	
Thermal Shock	Per MIL-S	TD-883, M	ethod 1011, Co	ndition A		
Thermal Cycle	Per MIL-S	TD-883, M	ethod 1010, Co	ndition B		
Hermeticity	Per MIL-S	TD-202, M	ethod 112 (1 x '	10 ⁻⁸ atm cc/	s of helium)	
Moisture Sensitivity Level (MSL)	MSL 1					
Solderability	Per EIAJ-	STD-002				
Max. Soldering Conditions	See Figure	e 1.				
Package Type	6-pad 5.0	X 7.0 X 1.9) mm leadless c	eramic. Sn	63 solder tin	ned pads.
Vibration	Per MIL-S	TD-202, M	ethod 204, Con	dition D (20	g's from 10-	2000Hz)





Output Waveform:



Typical Test Circuit & Load Circuit Diagrams: Vdd





2 of 4 The information contained herein is proprietary to MtronPTI and is submitted in confidence. This information may not be copied or divulged without written permission from MtronPTI.





Soldering Conditions:







Mechanical, Marking, and Pin Out Information:



Datasheet Revision Table:

Date	Rev.	Author	Details of Revision
02-28-20	В	BRR	Symmetry spec updated, frequency added to part marking, outline revised.
01-28-20	А	BRR	Original release.