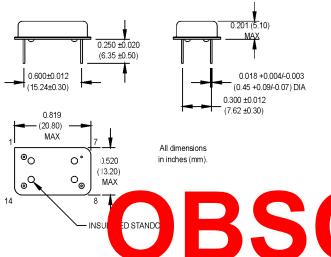
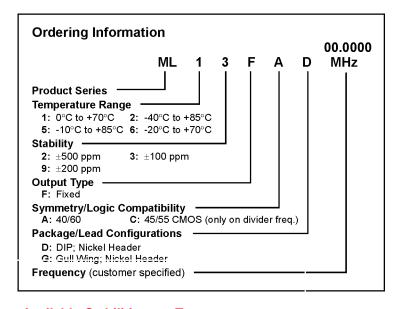
ML Series Micropower CMOS Oscillators









Available Stabilities vs. Temperature

T S	2		9	
	Α			
	Λ		N.	
5	ļΑ	N	N	
6	Α	N	N	

Pin Connections

PIN	FUNCTION(S)		
1	N/C		
7	Circuit/Case Ground		
8	Output		
14	+Vdd		

See page 146 for gull wing configuration.

Divider Output Frequencies

2048 Hz	128 Hz	4 Hz		
1024 Hz	64 Hz	2 Hz		
512 Hz	32 Hz			
256 Hz	8 Hz			

	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition	
	Frequency Range	F	2 Hz 32.768 kHz					
Electrical Specifications			See "Divider Output Frequencies" table for available frequencies					
	Frequency Stability	∆F/F	(See Orde	ring Informa	ation)			
	Operating Temperature	TA	(See Ordering Information)					
	Storage Temperature	Ts	-55		+125	ů		
	Input Voltage	Vcc	3.0	5.0	6.0	٧	Except as Noted	
	Input Current ¹	ldd			15	μ Α	Vdd = 3.0 V	
	32.768 kHz only				25	μ Α	Vdd = 5.0 V	
g					35	μΑ	Vdd = 6.0 V	
g	Symmetry (Duty Cycle)		40	50	60	%	½ Vdd	
Electric	Load ²				15	pF		
	Rise/Fall Time ³	Tr/Tf						
	< 32.768 kHz				50	ns		
	32.768 kHz				10	ns		
	Logic "1" Level	Voh	80% Vdd			٧		
	Logic "0" Level	Vol			20% Vdd	V		
	Startup Time	Ts		500		ms	@ 32.768 kHz	
Environmental	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C						
	Vibration	Per MIL-STD-202, Method 201 & 204						
	Reflow Solder Conditions	See page 147						
	Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 ⁸ atm.cc/s of helium)						
<u> </u>	Solderability	Per EIAJ-STD-002						
	A Complex company of the field of contract in Probability and the Field							

- 1. Supply current for divided output is slightly higher that listed.
- See load circuit diagram #2 on page 148.
 Rise/Fall times are measured between 20% Vdd and 80% Vdd.

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