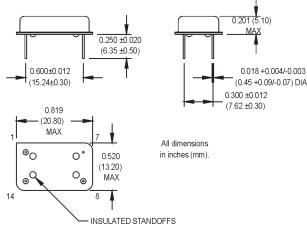
MHO3 Series 14 pin DIP, 3.3 Volt, HCMOS/TTL, Clock Oscillator

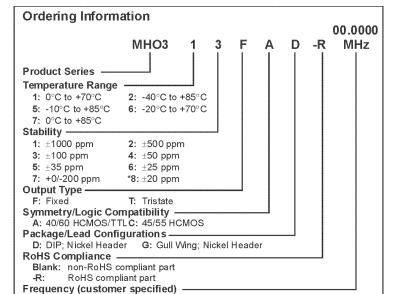






This product is not recommended for new de





*Contact factory for availability.

M2030Sxxx - Contact factory for datasheet.

Electrical Specifications	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes
	Frequency Range	F	1.5		80	MHz	See Note 1
	Operating Temperature	Ta	(See ordering information)				
	Storage Temperature	Ts	-55		+125	°C	
	Frequency Stability	∆F/F	(See ordering information)				
	Aging 1st Year Thereafter (per year)			±3 ±2		ppm ppm	
	Input Voltage	Vdd	3.135	3.3	3.465	V	
	Input Current	ldd			25 35	mA mA	1.500 to 50.000 MHz 50.001 to 67.000 MHz
	Output Type						HCMOS/TTL
	Load		2 TTL or 15 pF			See Note 2	
	Symmetry (Duty Cycle)			(See ordering information)			See Note 3
	Logic "1" Level	Voh	90% Vdd Vdd-0.4			V V	HCMOS Load TTL Load
	Logic "0" Level	Vol			10% Vdd 0.4	V V	HCMOS Load TTL Load
	Output Current				±4	mA	
	Rise/Fall Time	Tr/Tf	I		10	ns	See Note 4
	Tristate Function		Input Logic "1" or floating: output active Input Logic "0": output disables to high-Z				
	Start up Time				10	ms	
	Random Jitter	Rj		5	12	ps RMS	1-Sigma
Environmental	Mechanical Shock MIL-STD-202, Method 213, C (100 g's)						
			MIL-ST D-202, Method 213, C (100 g s) MIL-ST D-202, Method 201 & 204 (10 g's from 10-2000 Hz)				
	8		MIL-STD-202, Method 201 & 204 (10 g s from 10-2000 Hz) MIL-STD-883, Method 1010, B (-55°C to +125°C, 15 min dwell, 10 cycles)				
	1						
	Hermeticity Solderability		MIL-STD-202, Method 112 Per EIAJ-STD-002				
	Max Wave Soldering Conditions		+260°C for 10 seconds				
	₩				6		
	1. Contact the factory for ava	ailability of	higher freque	ncies.			

TTL load - see Load Circuit Diagram #1. HCMOS load - see Load Circuit Diagram #2.
Symmetry is measured at 1.4 V with TTL load and at 50% Vdd with HCMOS load.

4. Rise/fall times are measured between 0.4 V and 2.4 V with TTL load, and between 10% Vdd and 90% Vdd with HCMOS Load.

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.

Pin Connections

PIN	FUNCTION				
1	N/C or Tristate				
7	Circuit/Case Ground				
8	Output				
14	+Vdd				