



Specifications

Package	MO18R	
Frequency Range (fo)	1.000~100.000MHz	
Logic Family	HCMOS	
Freq. Stability (f/fo)	±100ppm (std.); 50ppm (opt.)	
Aging/Year (fa)	5ppm	
Power Supply	Voltage (Vcc)	3.3 ±10%Vdc
	Current (Icc)	10~35mA (see chart)
Temp. Range	Operating (TOPR)	-10°C~70°C (std.); -40°C~85°C (opt.)
	Storage (TSTG)	-50°C~125°C (std.)
Symmetry/Duty	45/55 (TTL std.); 40/60 (CMOS std.)	
Output	Load CMOS(CL)	15pF (30pF Max)
	Voltage (VOL max.)	10% of Vdd(HCMOS)
	Voltage (VOH min.)	90% of Vdd(HCMOS)
Rise (TR) & Fall (TF) Time	1.0M ~ 9.9M 6.0nS 10M ~ 39.9M 5.0nS 40M ~ 69.9M 4.0nS 70M ~ 100M 3.0nS	
Phase Jitter BW 12KHz -20.0MHz	1pS Max RMS	
Lead Finish	Gold Over Nickel Plate Kovar	

**RoHS Compliant
Lead Free**



Input Current

1.0~20.0MHz	10mA
20.1~50.0MHz	20mA
50.1~100.0MHz	35mA

Tri-State

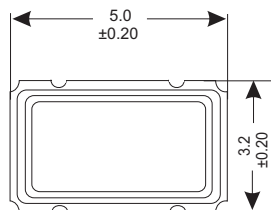
Pin 1	Pin 3
>2.2V	Active
<0.8V	High Z

Start-Up Times

1.0~32.0MHz	10ms
32.1~100.0MHz	10ms

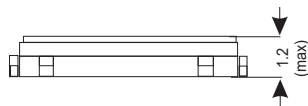
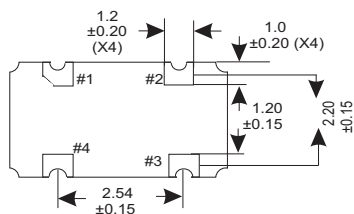
Stand-By Current

"0" Level #1 (max)	10 A
--------------------	-------------



Dimensions (mm)

Pin 1	Tristate
Pin 2	GND
Pin 3	Output
Pin 4	+VDD



Standard Options

Stability

S1	±50ppm
S2	±25ppm
S3	±10ppm
SC	Cust. Stability

OP Temp

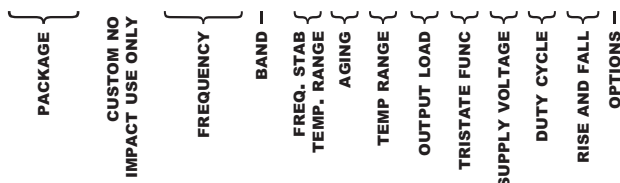
R1	-0~+50°C
R2	-10~+60°C
R3	-10~+70°C
R4	-20~+70°C
R5	-30~+80°C
R6	-40~+85°C
R7	-5~+55°C
RC	Custom Temp.

Duty Cycle

Q1	45/55 Duty
Q2	47.5/52.5 Duty
QC	Cust. Duty Cycle

U1	Tristate Hi En.
----	------------------------

XXXxR-__-XX.XXX X - SX AX RX WX UX BX QX MX X



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE CONTACT YOUR IMPACT SALES REPRESENTATIVE FOR CUSTOM SPECIFICATIONS, CURRENT INFORMATION, PRICING AND AVAILABILITY.