



Specifications

Part Number		MOM3R
Frequency (fo)		1.000MHz ~ 80.000MHz
Logic Family		HCMOS
Freq. Stability (Df/fo)		±100 ppm
Temp. Range	Operating (TOPR)	-10°C ~ +70°C
	Storage (TSTG)	-55°C ~ +125°C
Start Time		5mSec Max 1.0MHz - 32.0Mhz 10mSec Max 32.1MHz - 80.0Mhz
RMS Phase Jitter		1pS Max RMS

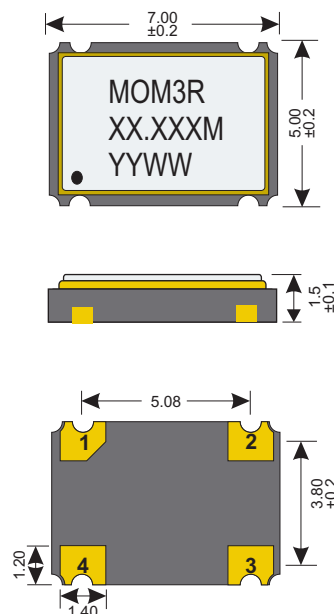
Electrical-HCMOS

Power Supply	Voltage (VDD)	3.3 VDC ±10%
	Current (Icc)	10mA Max 1.0MHz - 20.0Mhz 20mA Max 20.1MHz - 50.0Mhz 35mA Max 50.1MHz - 80.0Mhz
Stand-by current		10uA Max
Output	Load HCMOS	15pF Max / 10TTL
	Voltage (VOL Max.)	10% Vdd
	Voltage (VOH Min.)	90% Vdd
Rise (TR) & Fall (TF) Time		6ns Typ. 8ns Max. 1.0MHz - 20.0MHz 3ns Typ. 5ns Max. 20.1Mhz - 80.0MHz
Duty Cycle		40/60% @ 50% Level (HCMOS) 45/55% @ 50% Level (TTL)

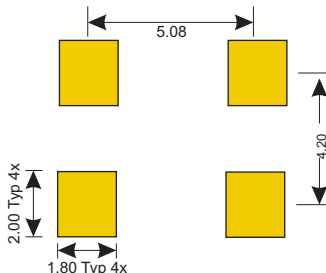
Tri-State

U Option (Page 2)	Default	U2
70%Vcc Min (Pin 1)	Enabled Active (Pin 3)	Disabled High Z (Pin 3)
N/C or Open (Pin 1)	Enabled Active (Pin 3)	Disabled High Z (Pin 3)
30%Vcc Max (Pin 1)	Disabled High Z (Pin 3)	Enabled Active (Pin 3)
Enable Time	10mS Max	10mS Max
Disable Time	150nS Max	150nS Max

Dimensions (mm)



Land Pattern (mm)



Connections

Pin 1	Tri-State
Pin 2	Ground
Pin 3	Output
Pin 4	Vcc



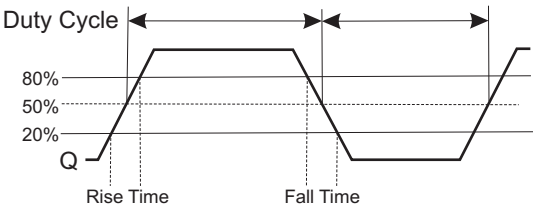
RoHS
RoHS2,
Lead,
Reach
Compliant



Free Of
DRC
Conflict
Minerals



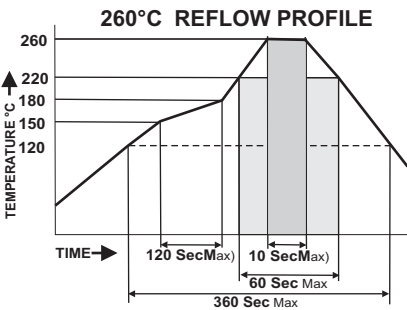
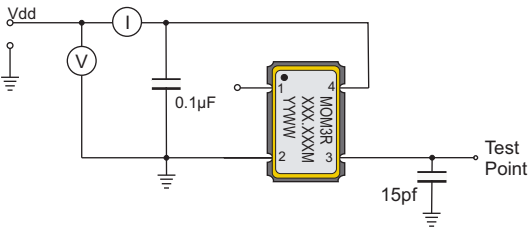
Waveform



Environmental And Mechanical

Temperature	10 Cycles of -30°C (30Mins), Normal (1Hr), 85°C (30Mins), Normal (1Hr)
Shock	Accelerated at 1000G for 1mS in each perpendicular axis.
Vibration	4 Cycles of 20G acceleration at 20 - 2,000Hz within 4 Minutes in each perpendicular axis.
Solder	Peak Temperature of 260°C Max for 10 Seconds with preheat of 160°C for 90±10% for 10 Seconds for a Maximum of 2 Cycles.

HCMOS Test Circuit



Part Number

MOM3R- XX.XXXM - SX RX UX QX-T

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

Temp Range	
R6	-40 ~ +85°C
RC	Custom Temp.

Tri-State Pin	
U2	Tristate Lo En.

Duty Cycle	
Q1 ²	45/55 Duty
Q2 ²	47.5/52.5 Duty
QC ²	Cust. Duty Cycle

Standard RoHS Compliant 7.0 x 5.0mm SMD Oscillator

Frequency: 1.000MHz ~ 80.000MHz

Stability Options **Default:** ±100ppm

Temperature Range Options **Default:** -10°C ~ +70°C

Tristate Option **Default:** Enabled Hi

Duty Cycle; **Default:** 40/60

Tape & Reel

Options not specified default to the values indicated on the data sheet.

Example: **MOM3R-50.000M-T** is a MOM3R Package, 50.000MHz, 3.3Vdc, Operating at ±100ppm stability from -10°C ~ +70°C, Delivered on Tape & Reel

Example: **MOM3R-50.000M-S2R6-T** is a MOM3R Package, 50.000MHz, 3.3Vdc, operating at ±25ppm stability from -40°C ~ +85°C, Delivered on Tape & Reel

Tape & Reel

