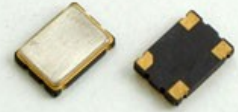


ULTRA MINIATURE CERAMIC SMD OSCILLATOR (7.0 x 5.0 x 1.7mm)

FEATURES:

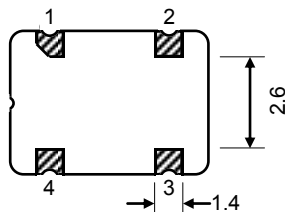
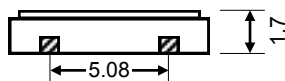
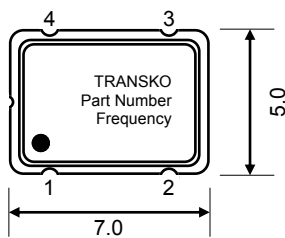
- STANDARD SMD PACKAGE OSCILLATOR
- LOW NOISE / LOW CURRENT
- LOW COST / SHORT LEAD TIME

RoHS
Compliant



MODEL	TSM75		
SUPPLY VOLTAGE	1.8V ~ 2.5V	3.3V	5.0V
FREQUENCY RANGE	1.000MHz ~ 125.000MHz	1.000MHz ~ 200.000MHz	1.000MHz ~ 125.000MHz
FREQUENCY STABILITY*	± 10ppm ~ ± 100ppm*		
OUTPUT	HCMOS, TTL, CMOS/TTL		
OPERATING TEMPERATURE	0 to 70°C, Option: -40 to 85°C, -55 to 125°C		
INPUT CURRENT / FREQUENCY RANGE	12mA max: 1.000 ~ 24.999MHz 15mA max: 25.000 ~ 49.999MHz 20mA max: 50.000 ~ 69.999MHz 30mA max: 70.000 ~ 125.000MHz	15mA max: 1.000 ~ 24.999MHz 20mA max: 25.000 ~ 49.999MHz 30mA max: 50.000 ~ 69.999MHz 60mA max: 70.000 ~ 200.000MHz	20mA max: 1.000 ~ 24.999MHz 30mA max: 25.000 ~ 49.999MHz 45mA max: 50.000 ~ 69.999MHz 60mA max: 70.000 ~ 125.000MHz
DUTY CYCLE	40/60%, Option: 45/55% (1/2VDD)		
RISE/FALL TIME	7nS max (20%VDD ~ 80%VDD)	8nS max (20%VDD ~ 80%VDD)	10nS max (20%VDD ~ 80%VDD)
OUTPUT VOLTAGE VoH	90% VDD min.		
OUTPUT VOLATGE VoL	10% VDD max.		
OUTPUT LOAD	15pF max (15pF typical)	30pF max (15pF typical)	50pF max
START UP TIME	10mS max		
AGING	± 3.0ppm max @ 25± 3°C for first year		
PIN# 1 TRISTATE	PN# 1 = H or Open: Output active on pin# 3. PIN#1 = L: High Impedance at pin# 3.		

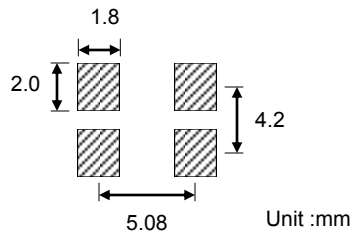
PACKAGE DIMENSIONS



Unit : mm

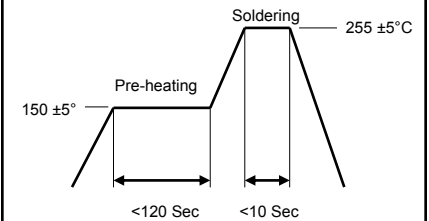
Pin Configuration	
1	N.C. or En/Dis
2	Ground
3	Output
4	Vcc

SOLDER PATTERN



Unit :mm

REFLOW PROFILE



Note: Consult factory for details

PART NUMBERING GUIDE

