

VCXO STANDARD CERAMIC SMD (7.0 x 5.0 x 2.0mm)

FEATURES:

- LOW NOISE
- WIDE FREQUENCY RANGE UPTO 200.000MHZ



MODEL	TSMV	
SUPPLY VOLTAGE	3.3V ± 5%	5.0V ± 5%
FREQUENCY RANGE	1.000MHz ~ 200.000MHz	
FREQUENCY STABILITY*	± 10ppm ~ ± 100ppm	
OPERATING TEMPERATURE	0°C to 70°C, Option: -40°C to 85°C	
STORAGE TEMPERATURE	-55°C to 125°C	
CONTROL VOLTAGE RANGE	1.65V ± 1.35V	2.5V ± 2.0V
FREQUENCY DEVIATION	± 50ppm ~ ± 200ppm	
OUTPUT	HCMOS/TTL compatible	
OUTPUT VOLTAGE (Voh / Vol)	90% min. / 10% max. of V _{DD}	
CURRENT CONSUMPTION	10mA ~ 45mA	15mA ~ 75mA
RISE AND FALL TIME	8nS max 1.000MHz ~ 50.000MHz 4nS max 50.000MHz ~ 200.000MHz	
DUTY CYCLE	50% ± 10% standard, Option: 50% ± 5%	
LINEARITY	10% max, (5% max available - contact factory)	
START UP TIME	10mS max.	
JITTER	1pS max. @ 1KHz ~ 20MHz offset	

* Include: 25°C tolerance, operating temperature range, input voltage change, load change, shock and vibration.

PACKAGE DIMENSIONS

Unit : mm

Pin Configuration	
1	V _C
2	N.C. or En/Dis
3	GND
4	Output
5	N.C. or En/Dis
6	V _{DD}

SOLDER PATTERN

Unit : (mm)

REFLOW PROFILE

Note: Consult factory for detail

PART NUMBERING GUIDE

TSMV - H 50 HM 33 S T2 C - 12.000M - TR

Product series TSMV	Output H: HCMOS	Stability 00: ± 100ppm 50: ± 50ppm 25: ± 25ppm 15: ± 15ppm 10: ± 10ppm	Operating Temperature HM: 0°C to 70°C CQ: -40°C to 85°C AU: -55°C to 125°C Other options available	Pull ability A: ±50ppm B: ±75ppm C: ±100ppm D: ±125ppm E: ±150ppm F: ±200ppm	Tape and Reel TR: 1000/reel Blank: Cut tape
				Symmetry R: 40/60% S: 45/55%	Frequency M: MHz
					Tristate T2: Pin#2-En/Disable, Pin#5-N/C T5: Pin#2-N/C, Pin#5-En/Disable
					Supply Voltage 18: 1.8 Volt 25: 2.5 Volt 33: 3.3 Volt 50: 5.0 Volt

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