

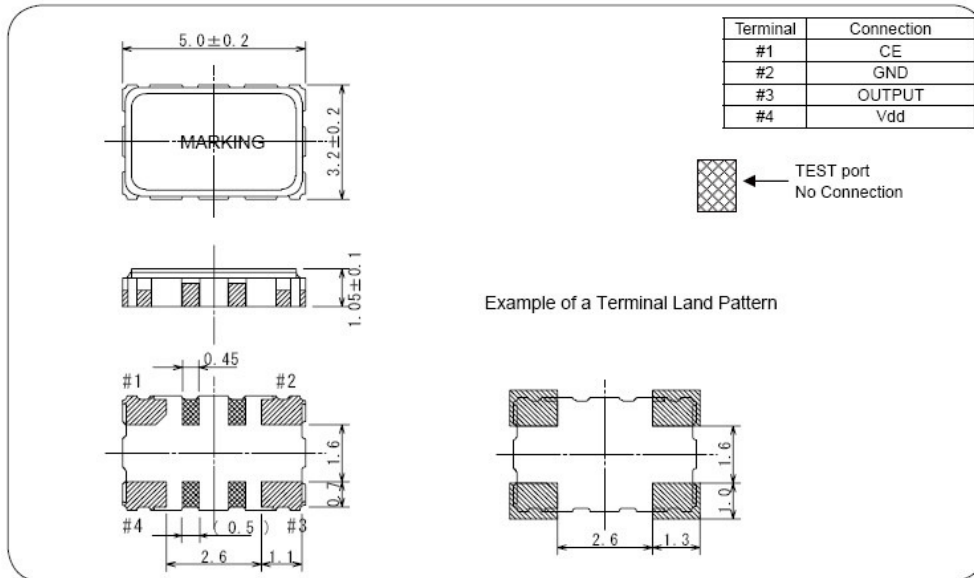
TC53-2.5-48-1-8.192-3.3R

TCXO SMD

OPERATING CONDITIONS	+25°C ± 3°C, nominal Vcc, max. load
FREQUENCY	8.192MHZ
TOTAL STABILITY INCLUDING: Frequency Tolerance at 25°C STABILITY VS. TEMP CALIBRATION	-1.0ppm (min) +1.0ppm(max) ± 2.5ppm max +2.5ppm(max)
STABILITY VS. SUPPLY VOLTAGE VARIATIONS STABILITY VS. LOAD VARIATIONS AGING FOR 20 YEARS.	-0.3ppm (min) +2.5ppm (max) -0.3ppm(min) +0.3ppm (max) -1.0ppm(min) +1.0 ppm(max)
OPERATING TEMP. RANGE	-40 °C to +85 °C
STORAGE TEMP RANGE	-40 °C to +85 °C
START UP TIME	3.0mSec. Max.
OUTPUT WAVEFORM	HCMOS Logic '0' Level: 20% Vcc Max Logic '1' Level: 80% Vcc Min Symmetry (50 ± 10)% Rise and Fall Time: 5nS Max
LOAD	15pF
SUPPLY VOLTAGE	+3.3 Vdc ± 5%
SUPPLY CURRENT	15 mA max. at no load
PHASE NOISE (+/-3dB Variation)	-62dBc/ at 1Hz -90dBc/ at 10Hz -118dBc/ at 100Hz -139dBc/ at 1KHz -149dBc/ at 10KHz -152dBc/ at 100KHz
MECHANICAL	SMD5.0X3.2X2.0
ROHS COMPLIANT	YES

ENVIRONMENTAL CONDITIONS:

SHOCK	Random drop on hard wooden floor 10 times from height of 30cm
VIBRATION	Frequency: 10-55 Hz, Amplitude: 2.0 mm Test time: 2 hours/ XYZ Axis
HUMIDITY	90% relative humidity at +40°C±2°C for 200 hours
SOLDERING REFLOW CONDITION HEAT	240°C ± 5°C for 10sec MAX



MODEL NUMBER:		TC53-2.5-48-1-8.192-3.3R	
DWG:	L.D	P.N:	
Quote #:		DATE:	6/1/14
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