Vishay Dale

Surface Mount Oscillator



The XOSM-571 series is an ultra miniature package clock oscillator with dimensions 7.0 x 5.0 x 1.5 mm. It is mainly used in portable PC and telecommunication devices and equipment.

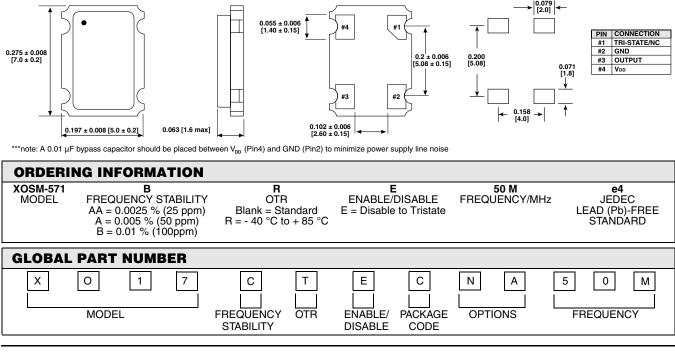
FEATURES

- Miniature Package
- Tri-state enable/disable
- HCMOS compatible
- Tape and Reel
- IR Re-flow
- 1.8 V input voltage
- 100 % Lead (Pb)-free and RoHS compliant

STANDARD ELECTRICAL SPECIFICATIONS			
PARAMETER	SYMBOL	CONDITION	XOSM-571
Frequency Range	Fo		1 MHz ~ 100.000 MHz
Frequency Stability*		All Condition*	± 25 ppm, ± 50 ppm, ± 100 ppm
Operating Temperature	T _{OPR}		0 °C ~ 70 °C (- 40 °C ~ + 85 °C option)
Storage Temperature Range	T _{STG}		- 55 °C ~ + 125 °C
Power Supply Voltage	V _{DD}		1.8 V ± 10 %
Aging (First Year)		25 °C ± 3 °C	± 5 ppm
Supply Current	I _{DD}	1.000 MHz to 23.999 MHz	10 mA Max
		24.000 MHz to 49.999 MHz	12 mA Max
		50.000 MHz to 69.999 MHz	15 mA Max
		70.000 MHz to 100.000 MHz	25 mA Max
Output Symmetry	Sym	At 1/2 V _{DD}	40/60 % (45/5 5% Option)
Rise Time	Tr	10 % V _{DD} ~ 90 % V _{DD}	6 ns Max
Fall Time	T _f	90 % V _{DD} ~ 10 % V _{DD}	6 ns Max
Output Voltage	V _{OH}		90 % V _{DD} Min
	V _{OL}		10 % V _{DD} Max
Output Load HCMOS Load			30 pF Max
Start-up Time		Ts	10 ms Max
Pin 1, tri-state function			Pin 1 = H or open output active at pin 3 Pin 1 = L high impedance at pin 3

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

DIMENSIONS in inches [millimeters]





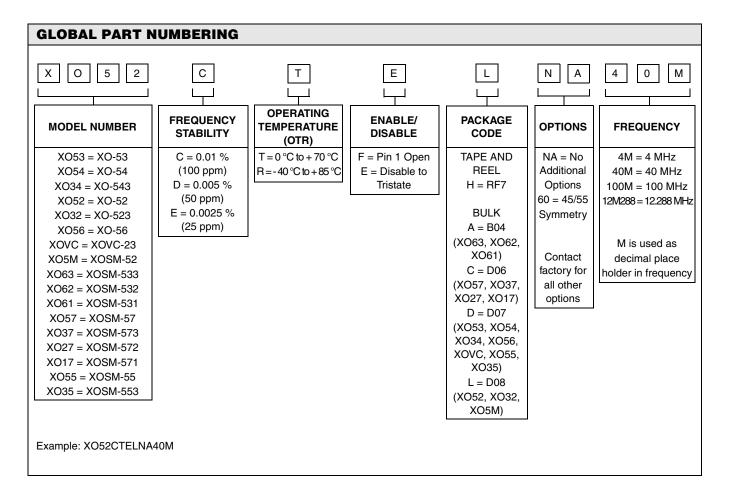
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