



Full Size Clock Oscillators TTL/HCMOS Compatible



The XO-543 series is with 3.3 V power supply. The metal package with pin 7 case ground acts as shielding to minimize EMI radiation.

FEATURES

- Size: 14 pin full size
- Industry standard
- Wide frequency range
- Low cost
- Tri-state enable/disable
- · Resistance weld package
- 3.3 V
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

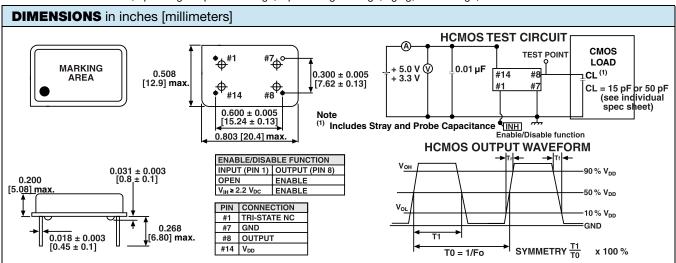


ROHS COMPLIANT HALOGEN FREE

STANDARD ELECTRICAL SPECIFICATIONS								
PARAMETER	SYMBOL	CONDITION	VALUE					
Frequency range	Fo	-	1.000 MHz to 100.000 MHz					
Frequency stability (1)		all conditions	± 25 ppm, ± 50 ppm, ± 100 ppm					
Operating temperature range	т		0 °C to 70 °C					
	T _{OPR}	-	- 40 °C to + 85 °C (option)					
Storage temperature range	T _{STG}	-	- 55 °C to + 125 °C					
Power supply voltage	V_{DD}	-	3.3 V ± 10 %					
Aging (first year)		25 °C ± 3 °C	± 5 ppm					
		1.000 MHz to 23.999 MHz	15 mA max.					
Cumply august		24.000 MHz to 49.999 MHz	20 mA max.					
Supply current	I _{DD}	50.000 MHz to 69.999 MHz	30 mA max.					
		70.000 MHz to 100.000 MHz	45 mA max.					
Output symmetry	Sym	at ½ V _{DD}	40 %/60 % (45 %/55 % option)					
Rise time	t _r	10 % V _{DD} to 90 % V _{DD}	8 ns max.					
Fall time	t _f	90 % V _{DD} to 10 % V _{DD}	8 ns max.					
Output voltage	V _{OH}	-	90 % V _{DD} min.					
	V _{OL}	-	10 % V _{DD} max.					
	TTL load	-	1 TTL to 5 TTL					
Output load	HCMOS load	-	to 50M: 30 pF					
	HOWOS load	-	to 125M: 15 pF					
Start-up time	t _s		10 ms max.					
Pin 1, tri-state function			pin 1 = H or open (output active at pin 3)					
Fill 1, til-State fullCtiOff		-	pin 1 = L (high impedance at pin 3)					

Note

(1) Include: 25 °C tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration



Document Number: 35038 Revision: 08-Mar-11 For technical questions, contact: frequency@vishay.com

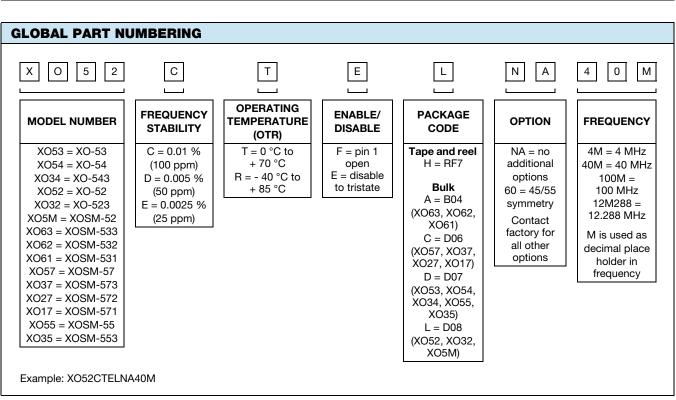
Vishay Dale

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ORDERING INFORMATION										
XO-5	i43	В	R	E	40 M	e2				
MOD	AA = 0.0 A = 0.0	ENCY STABILITY 0025 % (25 ppm) 005 % (50 ppm) 01 % (100 ppm)	OTR blank = 0 °C to + 70 °C R = - 40 °C to + 85 °C	ENABLE/DISABLE blank = pin 1 open E = disable to tri-state	FREQUENCY/MHz	JEDEC LEAD (Pb)-FREE standard				

GLOBAL PART NUMBER								
X O :	FREQUENCY STABILITY	T OTR	E ENABLE/ DISABLE	PACKAGE CODE	N A OPTIONS	FREQUENCY		



PART MARKING

Line 1: M28_XXXXX (part number)
Line 2: XX.XXXXM (frequency)
Line 3: yywwvv (date/factory code)





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