

STANDARD THROUGH HOLE OSCILLATOR (20.8 x 13.2 x 7.24mm)

FEATURES:

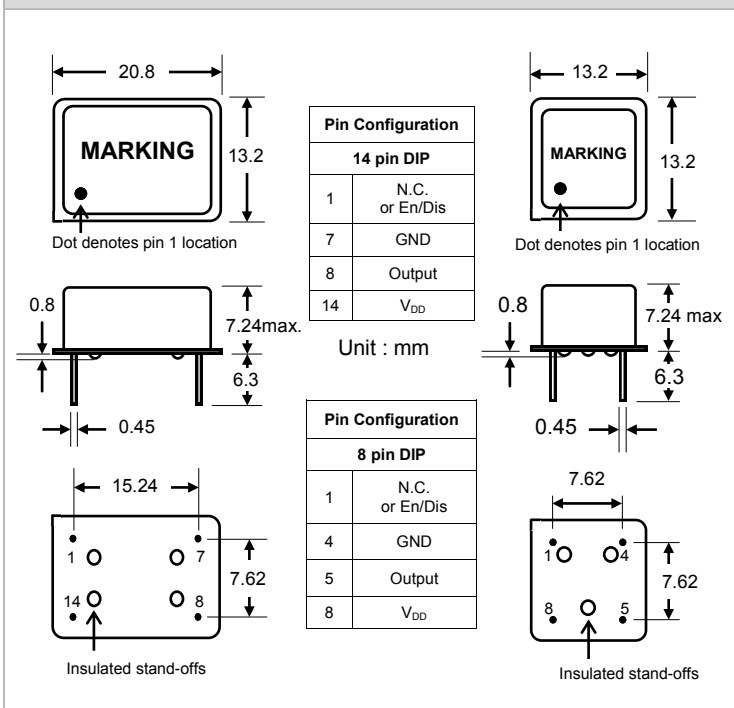
- WIDE FREQUENCY RANGES
- FAST DELIVERY
- LOW COST



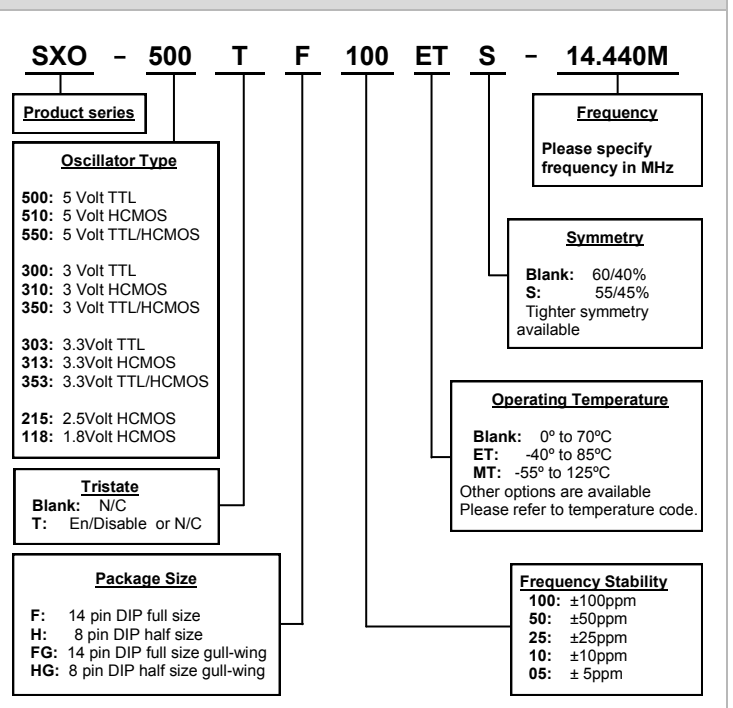
■ SPECIFICATION

FREQUENCY RANGE		200Hz ~ 300MHz		
FREQUENCY STABILITY		±5ppm ~ ±100ppm (Consult factory for tighter stability)		
OPERATING TEMPERATURE RANGE		STD: 0°C ~ 70°C (See P/N guide for other options)		
STORAGE TEMPERATURE RANGE		-55°C ~ 125°C		
SUPPLY VOLTAGE ± 10%		1.8V _{DC} ~ 5.0V _{DC}		
SUPPLY CURRENT		10mA max. @ 10.000MHz / 15mA max. @ 30.000MHz 30mA max. @ 60.000MHz / 40mA max. @ 120.000MHz		
OUTPUT	LOGIC FAMILY	TTL	CMOS	HCMOS/TTL
	LOAD	1~10 TTL	15pF	15pF // 1~10 TTL
	LEVEL LOGIC '1' (V_{OH})	2.4V _{DC} min.	0.9 x V _{DD} min.	0.9 x V _{DD} min.
	LEVEL LOGIC '0' (V_{OL})	0.4V _{DC} max.	0.1 x V _{DD} max.	0.1 x V _{DD} max.
	SYMMETRY(DUTY CYCLE)	40% / 60% (1.4V _{DC}) min.	40% / 60% (V _{DD} /2) min.	40% / 60% (V _{DD} /2 and 1.4V) min.
	RISE AND FALL TIME (Tr/Tf)	f < 1MHz: 20nS max. f ≥ 1MHz : 8.0nS max.		
	START-UP TIME	10mS max.		
STAND-BY VOLTAGE	ENABLE (V_{IH})	0.7 x V _{DD} ≤ V _{IH} ≤ V _{DD} or N/C		
	DISABLE (V_{IL})	V _{IL} ≤ 0.3 V _{DD}		
AGING @ 25°C ± 3°C		±3.0ppm / 1 st year max.		
PHASE JITTER RMS (12kHz ~ 20MHz)		1pS max. (Fundamental), 3pS max. (PLL)		

■ PACKAGE DIMENSIONS



■ PART NUMBERING GUIDE



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