

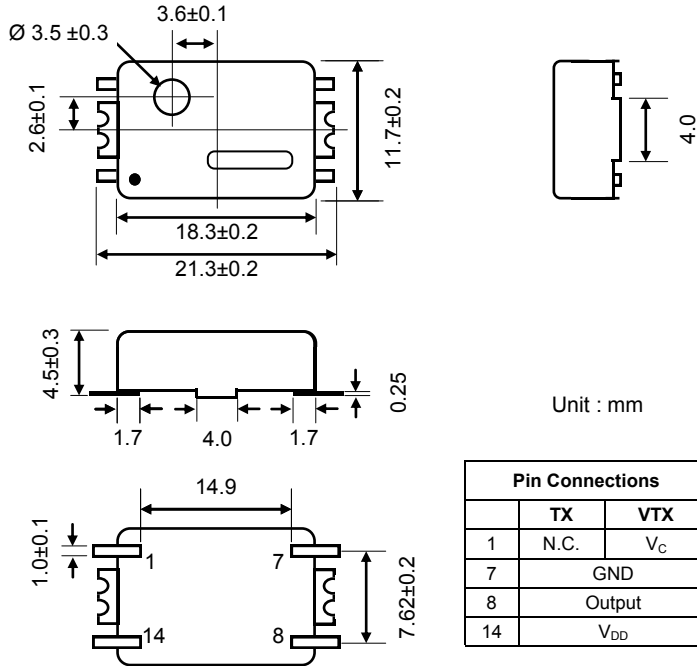
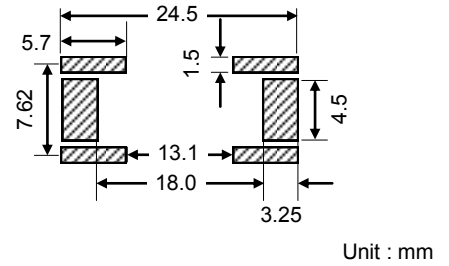
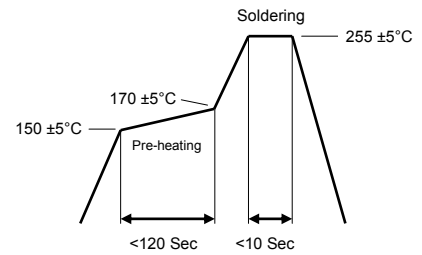
TCXO/VCTCXO FULL SIZE SMD (18.3 x 11.7 x 4.5mm)
FEATURES:

- WIDE FREQUENCY RANGES
- TIGHT STABILITY AVAILABLE
- STANDARD PACKAGE

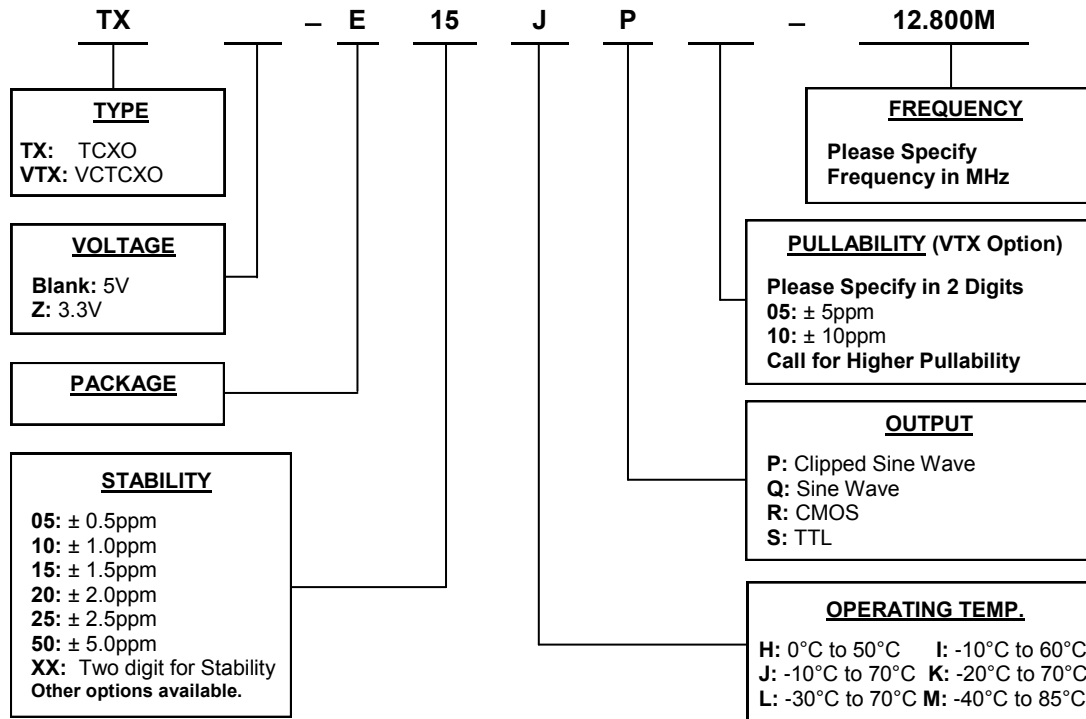

■ SPECIFICATION

PARAMETER		MIN.	TYP.	MAX.	UNIT	NOTE	
FREQUENCY RANGE	CMOS / TTL	1K		800M	Hz		
	CSW / SW	6		190	MHz		
FREQUENCY STABILITY	vs. TEMPERATURE	±0.5		±5.0	ppm	See P/N guide for other options	
	vs. LOAD ± 10%	CMOS / TTL		±0.2	ppm		
		CSW / SW		±0.2	ppm		
	vs. SUPPLY VOLTAGE ± 5%	CMOS / TTL		±0.3	ppm		
		CSW / SW		±0.2	ppm		
vs. AGING			±1.0	ppm/year	@ 25°C		
OPERATING TEMPERATURE RANGE		-40		85	°C	See P/N guide for other options	
STORAGE TEMPERATURE RANGE		-55		125	°C		
SUPPLY VOLTAGE ±5%		3.3		5.0	V	See P/N guide for other options	
SUPPLY CURRENT	CMOS / TTL			50	mA	* CMOS / SW for VTX: 100mA max.	
	CSW / SW			30	mA		
OUTPUT	LOGIC FAMILY	CMOS / TTL / CSW / SW					
	LOAD	CMOS / TTL	15pF / 10TTL				
		CSW / SW	10kΩ//10pF / 50Ω				
	LEVEL	CMOS (V _{OH})	0.9 x V _{DD}			V	
		CMOS (V _{OL})			0.1 x V _{DD}	V	
		TTL (V _{OH})	2.4			V	
		TTL (V _{OL})			0.4	V	
		CSW (3.3V)	0.8			V _{P-P}	
		CSW (5.0V)	1.0			V _{P-P}	
		SW (3.3V)		0		dBm	
		SW (5.0V)		10		dBm	
	SYMMETRY (DUTY CYCLE)		40		60	%	CMOS/TTL only
	RISE AND FALL TIME (Tr/Tf)				10	nS	CMOS/TTL only
FREQUENCY DEVIATION		±5		±20	ppm		
CONTROL VOLTAGE	3.3V	0.15		3.15	V		
	5.0V	0.5		4.5	V		
FREQUENCY ADJUSTMENT		±3.0			ppm	By internal trimmer	
PHASE NOISE	10Hz		-80		dBc/Hz	@ 20.0MHz offset	
	100Hz		-120		dBc/Hz		
	1kHz		-135		dBc/Hz		
	10kHz		-140		dBc/Hz		
	100kHz		-145		dBc/Hz		

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■ PACKAGE DIMENSIONS

■ SOLDER PATTERN

■ REFLOW PROFILE


Note: Consult factory for detail

■ PART NUMBERING GUIDE


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