HCMOS OUTPUT SMD TCXO









3.2 x 2.5 x 1.0mm

Moisture Sensitivity Level (MSL)-1

FEATURES:

- HCMOS Output
- Compact and low in height
- Low current consumption; IR reflow possible
- Suitable for high-density SMT

> APPLICATIONS:

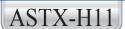
- Cellular and cordless phones
- Standard OSC for exact equipment
- Mobile communication equipment
- Portable radio equipment and music player

STANDARD SPECIFICATIONS:

Parameters		Minimum	Typical	Maximum	Units	Notes
Frequency Range		2.500		55.000	MHz	
Standard Frequencies		5, 10, 12, 16, 20, 24, 32, 40, 44			MHz	
Operating Temperature		-30		+75	°C	
Storage Temperature:		-40		+125	°C	
Frequency Stability Δf/f0 vs Tolerance (@+25°C)		-2.0		+2.0	ppm	1 hr after reflow
vs Temperature (ref. to +25°C)		-2.5		+2.5		See option (Table 1)
vs Supply Voltage Change (Vdd±5%)		-0.2		+0.2		
vs Load Chang	e (ZL±10%)	-0.2		+0.2		
vs Aging (first year @+25°C)		-1.0		+1.0		
Supply Voltage (Vdd)		+2.97	+3.3	+3.63	V	See option
Supply Current (Icc)				4.0	mA	4~10MHz
				4.8		~20MHz
				5.5		~30MHz
				6.0		~40MHz
				7.0		~54MHz
Rise and Fall Time (Tr/Tf)				5	ns	10%-90%Vdd
Symmetry		45		55	%	@1/2 Vdd
Output Voltage	$V_{ m OH}$ $V_{ m OL}$	90%Vdd		10%Vdd	V	
Load	▼ OL			15	рF	
Waveform		HCMOS				
Phase Noise (Frequency dependant)		-130		4D -	@1kHz offset	
			-158		dBc	@100kHz offset
Tri-state Function (Stand-by):		"1" (VIH≥0.7 5*Vdd) or Open: Oscillation "0" (VIL<0.25*Vdd) : Hi Z			V	



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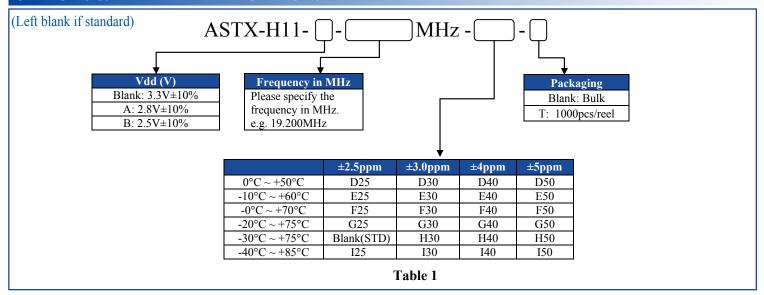






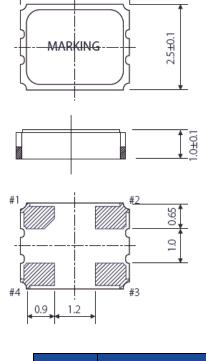
3.2 x 2.5 x 1.0mm

> OPTIONS & PART IDENTIFICATION:



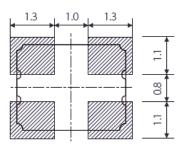
OUTLINE DIMENSIONS:

3.2±0.1



PIN	FUNCTION	
1	Tri-state	
2	GND	
3	Output	
4	Vdd	

Recommended Land Pattern



Tri-state pin	Output			
High or floating	Active			
Low	Hi-impedance			

Note: Recommend using an approximately $0.01 \mu F$ bypass capacitor between Pin 2 and 4.

Dimensions: mm



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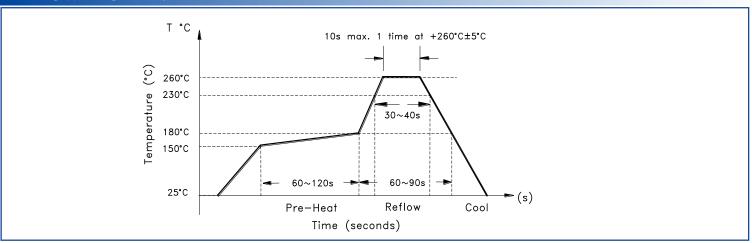




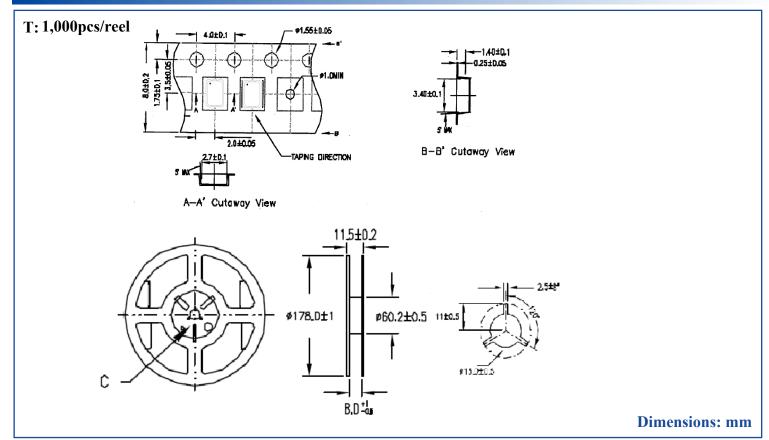


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REFLOW PROFILE:



TAPE & REEL:



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