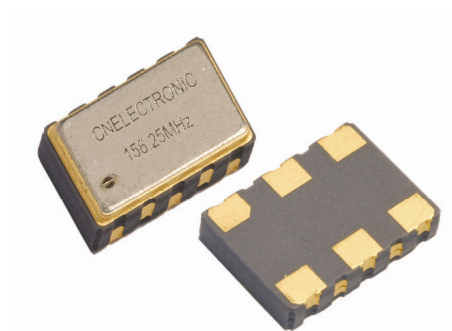


## Crystal Oscillators

### XO75P



#### Description:

- Stability up to  $\pm 25 \times 10^{-6}$
- PECL Level
- Miniature Package
- Tape and Reel
- SONENT
- SDH
- GB Ethernet

#### Performance Characteristics

Parameter		Condition	XO75P
Frequency Range	$F_0$		77.76MHz~212.50MHz
Standard Nominal Frequency (MHz)			106.25, 125, 155.52, 156.25, 161.1328
Frequency Stability		All Condition	See Next Table
Operating Temperature Range	$T_{OPR}$		See Next Table
Supply Voltage	$V_{DD}$		A: +3.3VDC $\pm 10\%$
Supply Current	$I_{DD}$	$77.76M \leq F_0 < 212.5M$	60mA typ (90mA Max)
Load			50 $\Omega$
Output Load			P: PECL
Stand-by Consumption			30 $\mu$ A Max
Jitter (1 $\sigma$ )			3ps tye (5ps Max)
Output Duty		50% Waveform	45%~55%
Output Level	"0"Level	$V_{OL}$	1.68V Max
	"1"Level	$V_{OH}$	2.275V Min
Start-Up Time	$T_s$		10mS Max
Aging (First Year)	$F_a$	25°C $\pm 3^\circ$ C	$\pm 5 \times 10^{-6}$
Storage Temperature Range	$T_{STG}$		-55°C~+125°C
Package			SMD7.0x5.0x1.70 mm

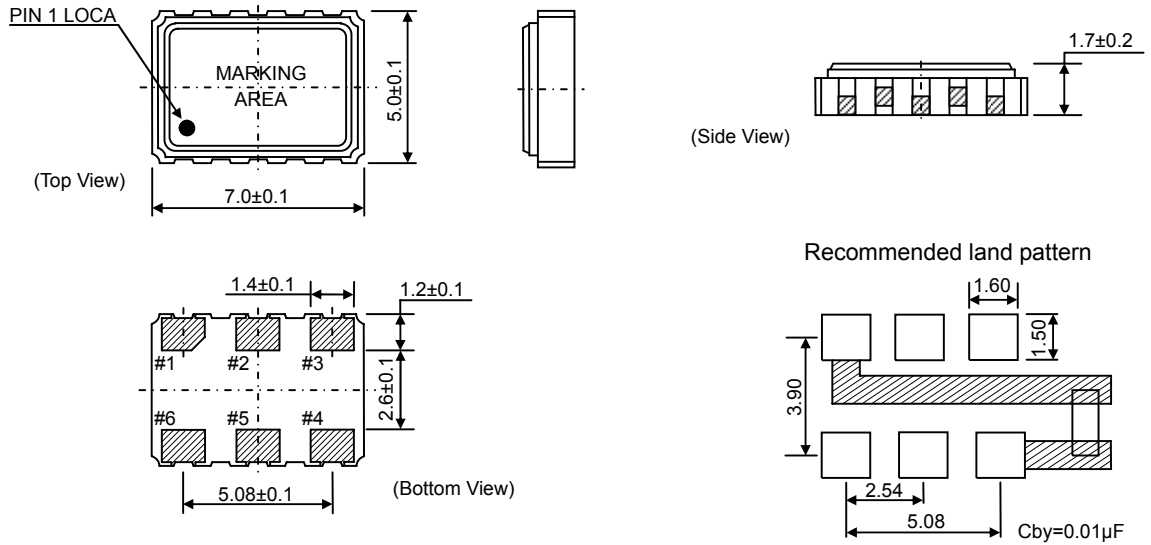
#### Frequency Stability Over Temperature Range

Temperature Range	Frequency Stability		
	R: $\pm 25 \times 10^{-6}$	T: $\pm 50 \times 10^{-6}$	U: $\pm 100 \times 10^{-6}$
A: 0°C~+50°C	●	●	●
B: -10°C~+60°C	●	●	●
C: -20°C~+70°C		●	●
G: -40°C~+85°C			●

## Crystal Oscillators

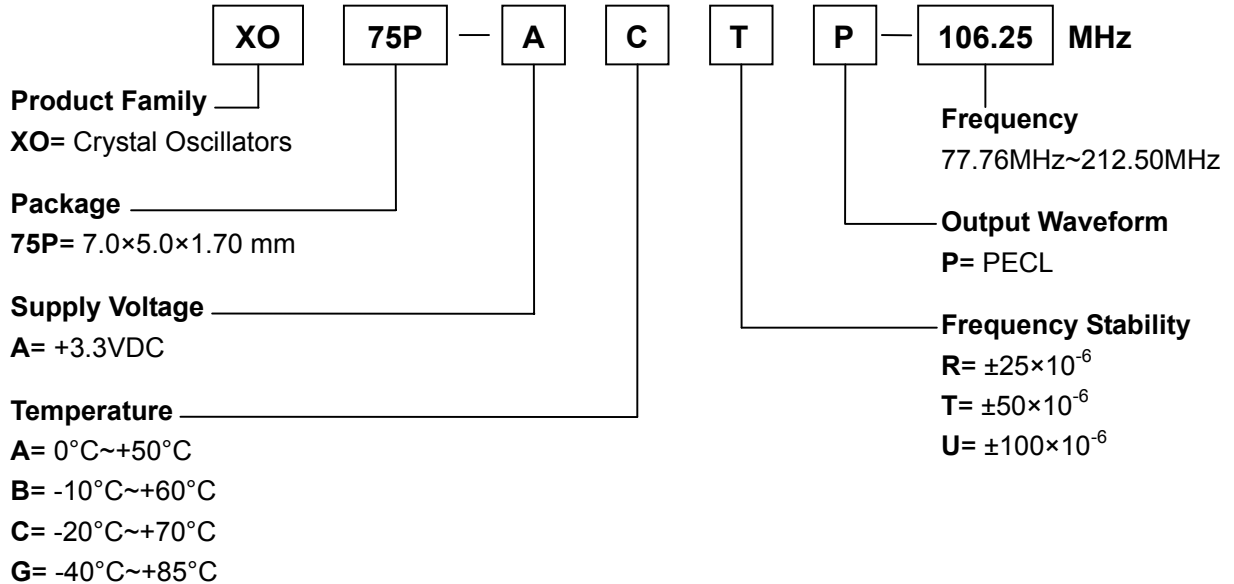
### XO75P

#### Outline Drawing (mm)



PAD NO.	CONNECTION
#1	TRI-STATE
#2	NC
#3	GND
#4	OUTPUT
#5	OUTPUT
#6	+DC

#### Ordering Information



#### Ordering Example

##### XO75P-ACTP-106.25MHz

Crystal Oscillators / +3.3VDC / -20°C~+70°C / ±50×10<sup>-6</sup> / PECL / 106.25MHz