

# Crystal Oscillator

## Model Name 5921A, 5930D Temperature-Compensated Crystal Oscillator (TCXO) 5900 Series

### Main Application

For communication equipment

### Features

- Compact and light.
- Stable frequencies can be obtained across a wide temperature range.
- Low power consumption.

### Specifications

RoHS Compliant  
Directive 2002/95/EC



Item	Model Classification	5921A		5930D			
		AKG50	AMG50	AJD70	AKG70	ALH70	AML70
Nominal frequency range (MHz)		10 to 20		10 to 25			
Frequency / temperature characteristic		$\pm 1 \times 10^{-6}$	$\pm 2 \times 10^{-6}$	$\pm 0.5 \times 10^{-6}$	$\pm 1 \times 10^{-6}$	$\pm 1.5 \times 10^{-6}$	$\pm 2 \times 10^{-6}$
		-20 to +60°C		-10 to +50°C	-20 to +60°C	-20 to +70°C	-30 to +75°C
Power supply variation characteristics		$\pm 0.5 \times 10^{-6} / +8V \pm 5\%$		$\pm 0.2 \times 10^{-6} / +5V \pm 5\%$			
Power supply voltage		+8V DC		+5V DC			
Consumption current		7mA max		15mA max			
Output level		1V(P-P) min		$V_{OL} : 0.4V_{max}, V_{OH} : 2.4V_{min}$			
Load		10k $\Omega$ //10pF		N-TTL2			
Aging		$\pm 1 \times 10^{-6}$ /year					
Frequency adjustment range		$\pm 3 \times 10^{-6}$ min (Note 1)		$\pm 3 \times 10^{-6}$ min (Note 2)			
Case code		21A		30D			

Note 1: See "FREQ.ADJ. method" with an external variable resistor used in the figure of Case Code 21A.

Note 2: It is based on either of "FREQ. ADJ. method 1 or 2" in the figure of Case Code 30D.

\*If you require a product with other than standard characteristics, please contact us.

### List of Ordering Codes

Model Name and Classification	Frequency (MHz)	Ordering Code
5921A-AKG50	12.28800	5921A-12.28800M-NSA3038B
5921A-AKG50	12.80000	5921A-12.80000M-NSA3038B
5921A-AKG50	14.50000	5921A-14.50000M-NSA3038B
5921A-AMG50	12.28800	5921A-12.28800M-NSA3038A
5921A-AMG50	12.80000	5921A-12.80000M-NSA3038A

Model Name and Classification	Frequency (MHz)	Ordering Code
5921A-AMG50	14.50000	5921A-14.50000M-NSA3038A
5930D-AJD70	10 to 25	5930D-[ ]M-NSA3088E
5930D-AKG70	10 to 25	5930D-[ ]M-NSA3088D
5930D-ALH70	10 to 25	5930D-[ ]M-NSA3088C
5930D-AML70	10 to 25	5930D-[ ]M-NSA3088B

Specify a frequency in the square brackets. Specify the frequency in seven digits (the decimal point is not included).

### Dimensions

