

## SIMPLE PACKAGED CRYSTAL OSCILLATORS 3900 SERIES

■ Model 3930A

3960A

3998A

■ Main applications: Communications equipment.

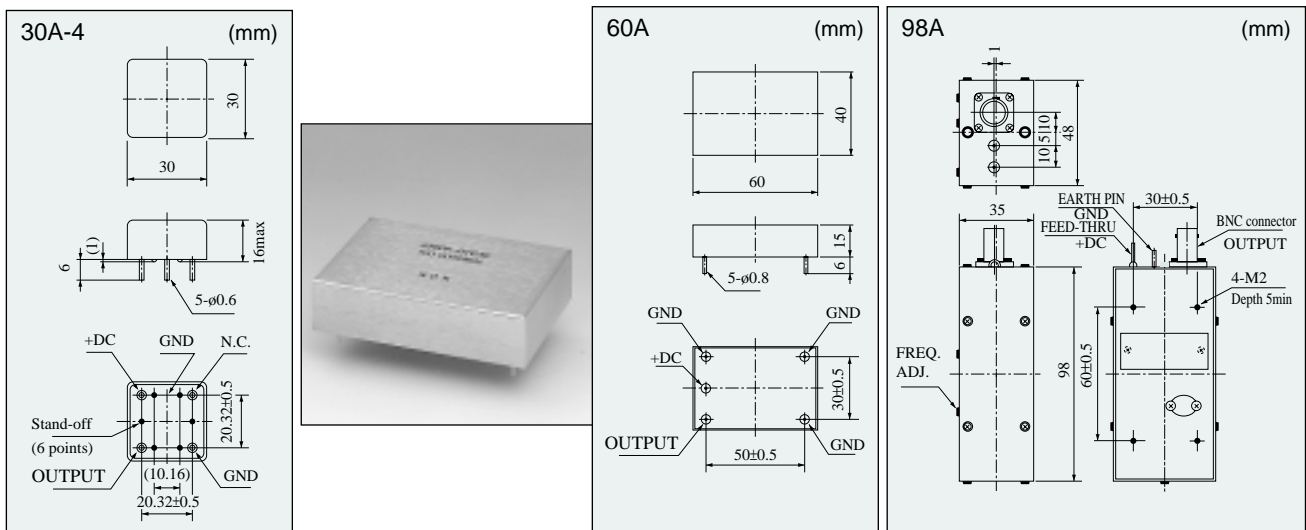
■ Features ● Wide frequency range covering high frequency.

### ■ Specification

Item	3930A			3960A		3998A								
	Spec. Code	Model	Spec. Code	Model	Spec. Code	Model	Spec. Code							
Nominal Frequency Range (MHz)	BTE00	25~75	CTE00	75~125	DTE00	125~175	QTE00	175~250	RTE00	250~350	QTE00	350~375	RTE00	375~450
Frequency Stability	$\pm 20 \times 10^{-6}$													
	-10~+60°C													
Supply Volt Change	$\pm 5 \times 10^{-6} / +12V \pm 5\%$													
Supply Voltage	+12VDC													
Current Consumption	15mA max			20mA max		40mA max								
Output Level	0.63 ~ 1.58mW (0dBm $\pm$ 2dB)			0.5 ~ 2.0mW (0dBm $\pm$ 3dB)		5 ~ 10mW (+7dBm $\pm$ 3dB)								
Load	50Ω													
Aging	$\pm 2 \times 10^{-6}$ /year			$\pm 3 \times 10^{-6}$ /year										
Frequency Trim Range	—			—		$\pm 3 \times 10^{-6}$ min								
Case Code	30A-4			60A		98A								

Note: This oscillator is shipped after frequency adjustment at NDK. But if you need to trim frequency by trimmer condenser, please make sure that the driver fits trimmer rotor hole. Also do not apply pressure to trimmer rotor. If you need NON-standard spec., please contact us.

### ■ Dimensions



# CRYSTAL OSCILLATORS

## SIMPLE PACKAGED CRYSTAL OSCILLATORS 3900 SERIES

### Model 3990A

### 3935A

- Main applications: Communications equipment.
- Features
  - Wide frequency range covering high frequency.

### ■ Specification

Item	Model		3990A										3935A			
	Spec. Code		B			C			D			E	F	A	B	C
	QD00	RD00	TD00	QD00	RD00	TD00	QD00	RD00	TD00	TD00	TD00	WQ00	WQ00	WQ00		
Nominal Frequency Range (MHz)	55~75			75~125			125~150	125~170	125~175	175~225	225~260	10~25	25~75	75~125		
Frequency Stability	±5 × 10 <sup>-6</sup>	±10 × 10 <sup>-6</sup>	±20 × 10 <sup>-6</sup>	±5 × 10 <sup>-6</sup>	±10 × 10 <sup>-6</sup>	±20 × 10 <sup>-6</sup>	±5 × 10 <sup>-6</sup>	±10 × 10 <sup>-6</sup>	±20×10 <sup>-6</sup>			±50×10 <sup>-6</sup>				
	-10~+50°C											-55~+85°C				
Supply Volt Change	±5×10 <sup>-6</sup> /-18V±5%											±5×10 <sup>-6</sup> /+12V±5%				
Supply Voltage	-18VDC											+12VDC				
Current Consumption	40mA max											20mA max				
Output Level	4 ~ 6.3mW (+7dBm±1dB)											0.5 ~ 2.0mW (0dBm±3dB)				
Load	50Ω															
Aging	±2×10 <sup>-6</sup> /year			±3×10 <sup>-6</sup> /year										±2×10 <sup>-6</sup> /year	±3×10 <sup>-6</sup> /year	
Frequency Trim Range	±3×10 <sup>-6</sup> min/55~160MHz Trimable to Nominal Frequency/160~260MHz															
Case Code	90A											35A-1				

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If you need NON-standard spec., please contact us.

### ■ Dimensions

