

# VOLTAGE CONTROLLED CRYSTAL OSCILLATORS (VCXO)

## ■ 7100 Series

Main applications: PLL, FM Modulation, Sweep Generators etc.

Features: 1. Excellent VC characteristics  
2. Wide frequency range covering high frequency

Item	Model		7130A			7120A		7135A				
	Spec. Code		A	B	C	A		A	B	C	D	E
			SA01	VE01	VE01	VE71		RA01	RA01	RA01	RA01	RA01
Nominal Frequency Range (MHz)			8~25	25~75	75~125	14~25		10~18	18~75	75~125	125~175	175~200
Frequency Stability			$\pm 15 \times 10^{-6}$		$\pm 30 \times 10^{-6}$			$\pm 10 \times 10^{-6}$				
			0~50°C		-10~60°C			0~50°C				
Supply Volt Change			$\pm 5 \times 10^{-6} / +12V \pm 5\%$			$\pm 10 \times 10^{-6} / +5V \pm 5\%$		$\pm 5 \times 10^{-6} / +12V \pm 5\%$				
Supply Voltage			+12VDC			+5VDC		+12VDC				
Current Consumption			15mA <sup>MAX</sup>			20mA <sup>MAX</sup>		15mA <sup>MAX</sup>				
Duty Cycle (+1.4V)			—			40~60%		—				
Output Voltage			0dBm $\pm$ 2dB			$V_{OL}: 0.4V^{MAX}$ $V_{OH}: 2.4V^{MIN}$		0dBm $\pm$ 2dB				
Load			50 $\Omega$			N-TTL 2		50 $\Omega$				
Aging			$\pm 5 \times 10^{-6}$ /year					$\pm 5 \times 10^{-6}$ /year				
VC Charact.			$\pm 200 \times 10^{-6 MIN}$ /+2.5V $\pm$ 2.5V	$\pm 100 \times 10^{-6 MIN}$ /+2.5V $\pm$ 2.5V	$\pm 40 \times 10^{-6 MIN}$ /+2.5V $\pm$ 2.5V	$\pm 200 \times 10^{-6 MIN}$ /+2.5V $\pm$ 2.5V		$\pm 30 \times 10^{-6 MIN} / +2.5V \pm 2V$				
Case Code			30A-3			20A-5		35A-2				

(mm)

NO. 30A-3

NO. 20A-5

NO. 35A-2

