

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			$\pm 5 \times 10^{-5} / +12V \pm 5\%$			$\pm 10 \times 10^{-6} / +5V \pm 5\%$		$\pm 5 \times 10^{-5} / +12V \pm 5\%$			
Supply Voltage			+12VDC			+5VDC		+12VDC			
Current Consumption			15mA ^{MAX}			20mA ^{MAX}		15mA ^{MAX}			
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 Ω			N-TTL 2		50 Ω			
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

