

VCX42

VOLTAGE CONTROLLED CRYSTAL OSCILLATOR

DIP



TYPICAL APPLICATIONS

PLL circuit, AFC circuit, FM modulator

DIMENSION

18.5 x 12.0 x 8.0[mm]

TYPICAL SPECIFICATIONS

Frequency range		1.000 ~ 49.9 MHz			50 ~ 120 MHz
Nominal frequency		8.192, 12.288, 16.384, 18.432, 24.576, 32.768, 35.328, 44.736MHz			55.296 MHz
Frequency stability		$\pm 50 \times 10^{-6}$		$\pm 50 \times 10^{-6}$	
		[$\pm 25 \times 10^{-6}$ Max]		[$\pm 30 \times 10^{-6}$ Max]	
Freq. variable range/control voltage		$\pm 100 \times 10^{-6}$ Min./+2.5 ± 2			$\pm 100 \times 10^{-6}$ Min./+2.5 ± 2
		$^1 \pm 100 \times 10^{-6}$ Min./+1.65 ± 1.5			$^1 \pm 70 \times 10^{-6}$ Min./+1.65 ± 1.5
Temperature range(°C)	Operating	10°C~+70°C	-20°C~+70°C	-40°C~+85°C	-10°C~+60°C
	Storage	-40°C ~ +85°C			
Power Supply Voltage (Vdd)		+3 ~ +5V ($\pm 5\%$)			
Current consumption		25mA : F $\leq$ 35 MHz 35mA : F > 35MHz			
Output		TTL-CMOS (See Table A)			

TABLE A

Output level	TTL		CMOS
Load	2TTL		15pF
Output voltage	"0" level	VOL : 0.4V Max.	VOL : 0.1 Vdd Max.
	"1" level	VOH : 2.4V Min.	VOH : 0.9Vdd Min.
Rise & fall time	10ns Max		10ns Max.
	(at 0.4~2.4VDC)		(at 10%~90% Vdd)
Symmetry	40~60% at +1.4V		40~60% at 50% Vdd

* Please consult with us for other specification.

¹ Vdd: +3.3V

OUTLINE DIMENSIONS

Unit:mm

