



Description

Frequency stability over temperature as low as
 $\pm 0.5\text{ppm}$ over -40 to 85°C
 Low power consumption

Frequency Parameters

■ Frequency	10MHz-800MHz
■ Standard Frequency	100MHz
■ Frequency Tolerance @ 25°C	$\pm 0.5\text{ppm}$
■ Frequency Stability	$\pm 0.5\text{ppm}$
■ The voltage characteristic	$\leq \pm 0.05\text{ppm}@5.0\text{vdc} \pm 5\%$
■ Load characteristics	$\leq \pm 0.05\text{ppm}@15\text{pf} \pm 5\%$
	$\leq \pm 0.02\text{ppm}/\text{day}$
■ vs aging	$\leq \pm 1.0\text{ppm}/\text{Year}$

Electrical Parameters

■ Supply Voltage	5.0V
■ Supply Voltage Tolerance	$\pm 5\%$
■ Current Draw	40mA max

Operating Temperature Ranges

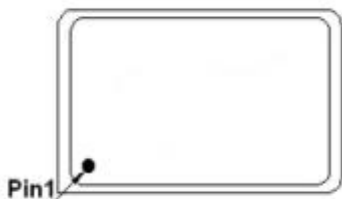
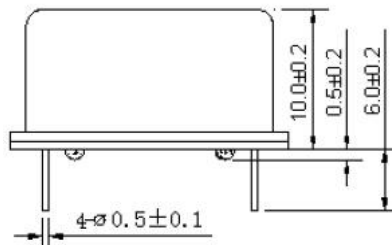
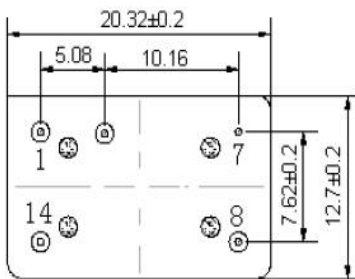
■ -40 to 85°C

Output Details

■ Output Compatability	HCMOS
■ Output Load	15pF
■ Rise and Fall time (10% - 90%)	5ns max
■ Duty Cycle	45/55% max
■ High level	$\geq 3.2\text{V}$
■ Low level	$\leq 0.4\text{V}$

Noise Parameters

Phase Noise (typical):	-80dBc/Hz @ 10Hz
	-115dBc/Hz @ 100Hz
	-140dBc/Hz @ 1KHz
	-150dBc/Hz @ 10KHz
	-155dBc/Hz @ 100KHz



PIN	PIN CONNECTIONS
1	Nc (Suspended)
7	GND
8	Output
14	Vcc (power input)