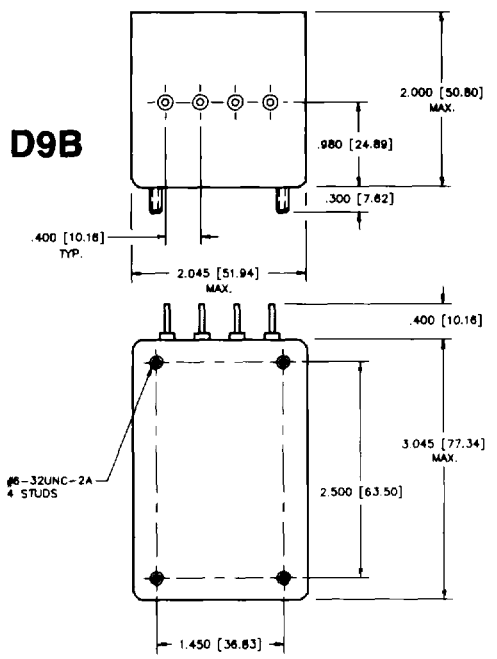
CRYSTAL OSCILLATORS

Bliley

first name in frequency | control

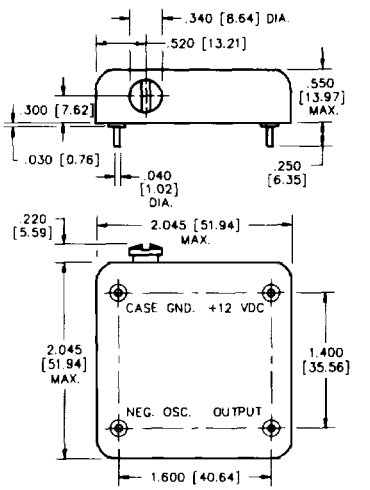
BLILEY TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS are designed to integrate the characteristics of high quality coldweld sealed crystals with temperature compensated circuitry to achieve improved frequency stability without temperature control and low aging to assure long term reliability.



Digitally Compensated (DCXO)

Frequency:	5 MHz or 10 MHz standard; 10 kHz to 20 MHz optional
Frequency Stability:	$\pm 5 \times 10^{-8}$ 0°C to +60°C
Aging:	3×10^{-9}/day standard; 1×10^{-9}/day optional
Output:	High Speed CMOS standard; Sine Wave and TTL optional
Frequency Adjustment:	$\pm 3 \times 10^{-6}$ minimum by multi-turn trimmer
Power Supply:	+15 Vdc ±10%, 30 mA typical Fixed voltage between +12 Vdc and +24 Vdc optional
Mounting:	Four #6-32 Studs
Size:	3″ x 2″ x 2″

T26A



Temperature Compensated (TCXO)

STOCK OSCILLATORS - FAST DELIVERY					
BLILEY TYPE NO.	FREQ. (MHz)	FREQ. STABILITY	SUPPLY (DC) VOLTS	REG.	mA
T26A411	1	$\pm 1 \times 10^{-6}$ OVER 0°C to +50°C	+ 5	± 1%	35 (MAX.)
T26A412			+ 12	± 10%	
T26A413/440*	5/10*		+ 5	± 1%	
T26A414/441*			+ 12	± 10%	

TTL LOGIC OUTPUT: "0": +0.4V MAX., "1": +2.4V MIN.,
Tr & Tf: 12 NS MAX., SYMMETRY: 60/40, LOAD: 10 TTL GATES.
FREQ. ADJUST. RANGE: $\pm 5 \times 10^{-6}$ MIN. AGING RATE: 1×10^{-6}/YR.

CUSTOM OSCILLATORS / BLILEY TYPE T26A SERIES		
FREQUENCY RANGE/ OUTPUT WAVEFORM	FREQUENCY STABILITY VS TEMPERATURE RANGE	
1 MHz - 20 MHz SINE WAVE OR 50 kHz - 20 MHz TTL LOGIC	$\pm 1 \times 10^{-6}$	0°C to +60°C
	$\pm 5 \times 10^{-7}$	
	$\pm 1 \times 10^{-6}$	−20°C to +70°C
	$\pm 5 \times 10^{-7}$	
	$\pm 1 \times 10^{-6}$	−40°C to +70°C
	$\pm 2 \times 10^{-6}$	−55°C to +70°C
	$\pm 1 \times 10^{-7}$	+20°C to +40°C

SUPPLY REQUIREMENTS:
+12 VDC ±10% REG. AGING RATE: 1×10^{-6}/YR.
Options available:
- HCMOS logic output from 1 Hz - 20 MHz
- Sine Wave output to 100 MHz
- TTL logic output to 50 MHz
- Other Supply Voltages