

Features:

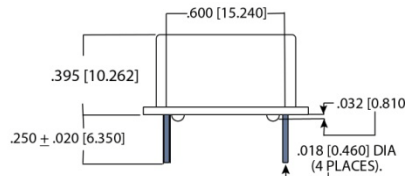
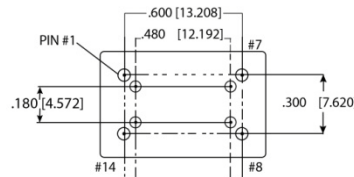
- 25.0 to 50.0 MHz Frequency Range (B1144AC/E)
- 35.1 to 66.0 MHz Frequency Range (B1144AM)
- ± 25 ppm Stability
- TTL Compatible Output (B1144AM, AMT)
- CMOS Compatible (B1144AC/E and B1144AD/E)
- Tighter Stabilities Available Upon Request

ELECTRICAL SPECIFICATIONS					
Model		B1144AM	B1144AMT	B1144AC/E	B1144AD/E
Frequency Range (MHz)		35.1 to 66.0MHz		39.0 to 40.0MHz 44.736MHz 48.0 to 50.0MHz	25.0 to 26.0MHz 34.0 to 37.2MHz 44.736MHz 48.0 to 50.0MHz
Output		TTL ; Up to 10TTL Gates		HCMOS; Up to 15pF	
Frequency Stability (ppm)		Inclusive of Shock, Vibration, Calibration, Temperature, Voltage, Load, Aging ± 25 ppm (Tighter Stabilities Available Upon Request)			
Temperature Range (°C)	Operating	0° to +70°C			
	Storage	-55°C to +125°C			
Supply Voltage (V)		5Vdc $\pm 5\%$			
Input Current (mA)	@ 25°C	50 max.			
	Over Temp	60 max.			
Current with Output Shorted (1 sec. max.)		-18mA min., -100mA max			
Symmetry		60/40%			
T_R and T_F (ns)		TTL: 0.5V to 2.5V dc		CMOS: 20% to 80% Vcc	
"0" Level (V_{OL})		+ 0.5V max.			
"1" Level (V_{OH})		Vcc - 0.5V dc			
"0" Sink Current		16 mA min.			
"1" Source Current		-500 μ A min.			
High or Low Level Output Current (mA)		± 20 absolute max. value			
Output Voltage		-0.5V to Vcc +0.5V			

TYPICAL FREQUENCY STABILITY ALLOCATION (Use this chart for ordering)

MODEL CHARACTERISTICS	MODEL B1144AM	MODEL B1144AMT	MODEL B1144AC/E	MODEL B1144AD/E
Calibration	± 5 ppm	± 5 ppm	± 5 ppm	± 5 ppm
Vs. Temperature	± 14 ppm	± 7 ppm	± 11 ppm	± 8 ppm
Vs. Voltage	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm
Vs. Load	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm
Vs. Shock	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm
Vs. Vibration	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm	± 0.5 ppm
Vs. Aging	± 2 ppm	± 2 ppm	± 2 ppm	± 2 ppm

B1144AM Series Package



PIN	Function
1	NC
7	Gnd
8	Output
14	+Vcc