

**Military Certificates:**

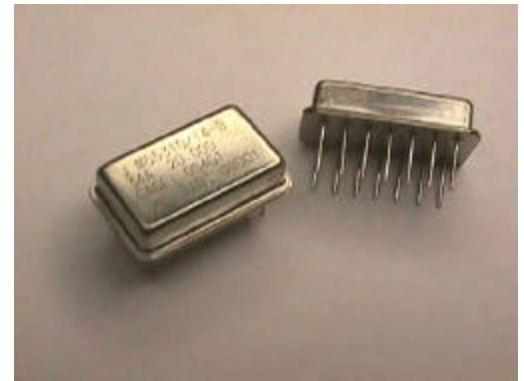
MIL-STD-790: Product Assurance  
 MIL-PRF-38534: Hybrid Microcircuit Certification  
 MIL-Laboratory Suitability

**ADVANTAGES**

- Full Military Approval
- High Shock and Vibration
- Extended Temperature Range
- Double Hermetic Seal

**APPLICATIONS**

- Aircraft
- Missile
- Two Way Radio
- Computer

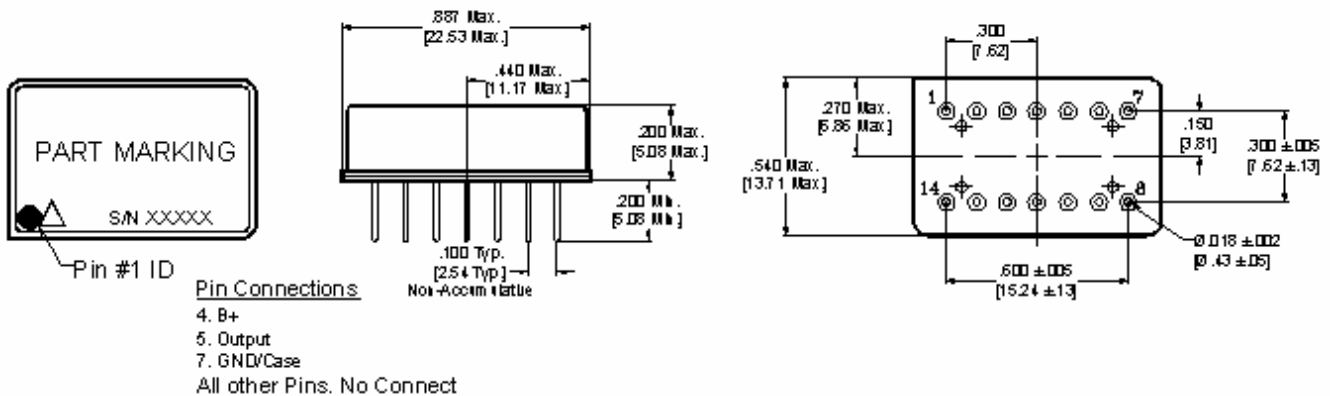


**ELECTRICAL PERFORMANCE (Ta=23°C)**

PARAMETER	MINIMUM	MAXIMUM	UNITS
Center Frequency	100.0KHz	25.0MHz	
Frequency Tolerance @ +23°C ±1°C	±5.0	±15.0	ppm
Operating Temperature Range	-55	+125	°C
Frequency Stability	±30	±50	ppm
Storage Temperature Range	-62	+125	°C
Duty Cycle @ 1.4V	45	55	%
Rise Fall Times 2.0nS Typ.		5.0	nS
Supply Current over Temperature	20	158	mA
Supply Voltage	+4.75	+5.25	Vdc
Output: TTL/CMOS			
Aging: ±0.7ppm for 30 Days, ±1.5ppm for 90 Days	±0.7	±5.0	ppm/year

Load Max. 6.0TTL (A TTL unit is defined as 1.6mA Sink, 0.4mA Source, 2.0pF)

Parameter	Standard Observed
Mechanical Shock	MIL-STD-202 Method 213, Condition C
Vibration	MIL-STD-202 Method 201, 204, and 214
Hermeticity	MIL-STD-202, Method 112
Solderability	IPC/EIA-STD-002A



- NOTES**
- 1) To order, state part number, options and nominal frequency e.g. 14-Pin Dip 12.000MHz
  - 2) Other temperature ranges, stabilities and electrical parameters are readily available upon request.
  - 3) Other specifications available upon request.