

PART NUMBERING GUIDE

Revision: 1996-C

TABLE 1

TB1S 3 20 C V 10.000MHz

Package
TA1S = SMD
TB1S = Thru Hole

Supply Voltage
3 = 3.3 VDC $\pm 5\%$
Blank = 5.0 VDC $\pm 5\%$

Pin One Connection
Blank = No Connection
V = External Control Voltage

Operating Temperature
See Table 1 for Code/Range

Inclusive Stability
See Table 1 for Code/Tolerance

Operating Temperature		Frequency Stability ($\pm$ ppm) * Denotes Availability of Options					
Range	Code	1.5ppm	2.0ppm	2.5ppm	3.0ppm	3.5ppm	5.0ppm
		15	20	25	30	35	50
0 to 50°C	A	*	*	*	*	*	*
-10 to 60°C	B	*	*	*	*	*	*
-20 to 70°C	C	*	*	*	*	*	*
-30 to 60°C	D		*	*	*	*	*
-30 to 75°C	E		*	*	*	*	*
-35 to 85°C	F			*	*	*	*
-40 to 80°C	G				*	*	*

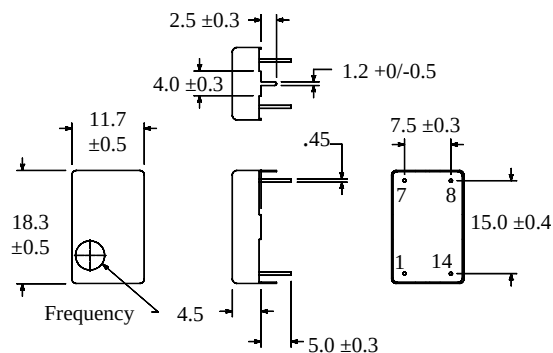
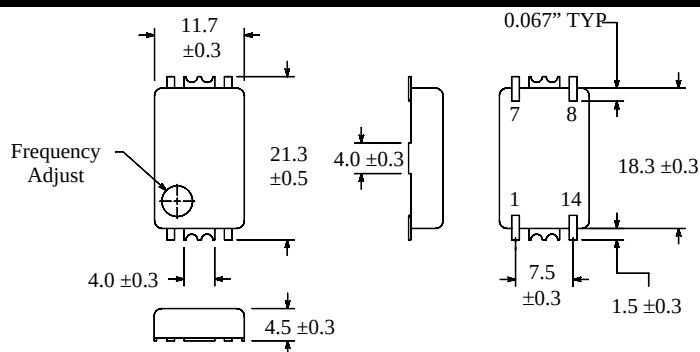
ELECTRICAL SPECIFICATIONS

Environmental/Mechanical Specifications on page F5

Frequency Range	9.600MHz to 35.000MHz	
Frequency Stability	All values inclusive of temperature, aging, and load See Table 1 Above.	
Operating Temperature Range	See Table 1 Above.	
Storage Temperature Range	-40°C to 85°C	
Supply Voltage	3.3 VDC $\pm 5\%$ / 5.0 VDC $\pm 5\%$	
Load Drive Capability	10kOhms // 10pF	
Output Voltage	1Vp-p Minimum	
Internal Trim (Top of Can)	± 3 ppm Minimum	
Control Voltage (External)	2.5Vdc ± 2.0 Vdc Positive Transfer Characteristics	
Frequency Deviation	± 5 ppm Minimum Over Control Voltage	
Aging (@ 25°C)	± 1 ppm / year Maximum	
Frequency Stability	Vs. Operating Temperature	See Table 1 Above.
	Vs. Inpput Voltage ($\pm 5\%$)	± 0.3 ppm Maximum
	Vs. Load (± 2 kOhms // ± 2 pF)	± 0.3 ppm Maximum
Input Current	9.600MHz to 20.000MHz	1.5mA Maximum
	20.001MHz to 29.999MHz	2.0mA Maximum
	30.000MHz to 35.000MHz	3.0mA Maximum

MECHANICAL DIMENSIONS

Marking Guide on page F3-F4



Pin 1: Control Voltage (Not present when Control Voltage is specified as "No Connect")
Pin 7: Case Ground

Pin 8: Output
Pin 14: Supply Voltage