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 ±5%
Blank = 5.0 VDC ±5%

Inclusive Stability
See Table 1 for Code/Tolerance

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

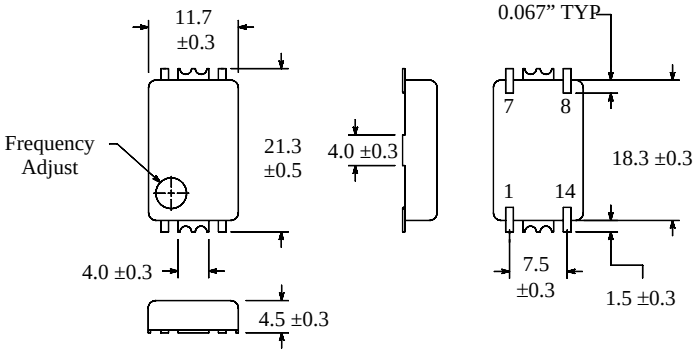
Operating Temperature
See Table 1 for Code/Range

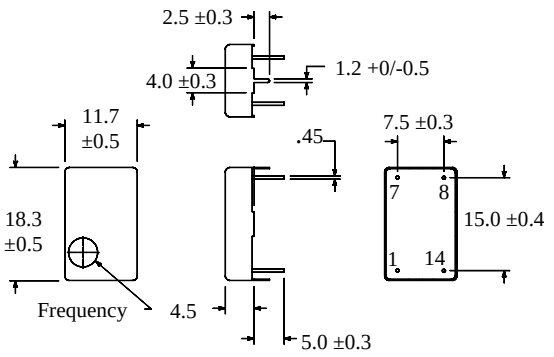
Operating Temperature		Frequency Stability (±ppm) * Denotes Availability of Options					
Range		1.5ppm	2.0ppm	2.5ppm	3.0ppm	3.5ppm	5.0ppm
	Code	15	20	25	30	35	50
0 to 50°C	A	*	*	*	*	*	*
-10 to 60°C	B	*	*	*	*	*	*
-20 to 70°C	C	*	*	*	*	*	*
-30 to 60°C	D		*	*	*	*	*
-30 to 75°C	E		*	*	*	*	*
-35 to 85°C	F			*	*	*	*
-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 ±5% / 5.0 VDC ±5%
Load Drive Capability		10kOhms // 10pF
Output Voltage		1Vp-p Minimum
Internal Trim (Top of Can)		±3ppm Minimum
Control Voltage (External)		2.5Vdc ±2.0Vdc Positive Transfer Characteristics
Frequency Deviation		±5ppm Minimum Over Control Voltage
Aging (@ 25°C)		±1ppm / year Maximum
Frequency Stability	Vs. Operating Temperature	See Table 1 Above.
	Vs. Inpput Voltage (±5%)	±0.3ppm Maximum
	Vs. Load (±2kOhms // ±2pF)	±0.3ppm 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