PART NUMBERING GUIDE

TA2S 20 C 10.000MHz

Package
TA2S = SMD
TA3S = Thru Hole

Inclusive Stability
See Table 1 for Code/Tolerance

Operating Temperature
See Table 1 for Code/Range

TABLE 1

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				*	*	*

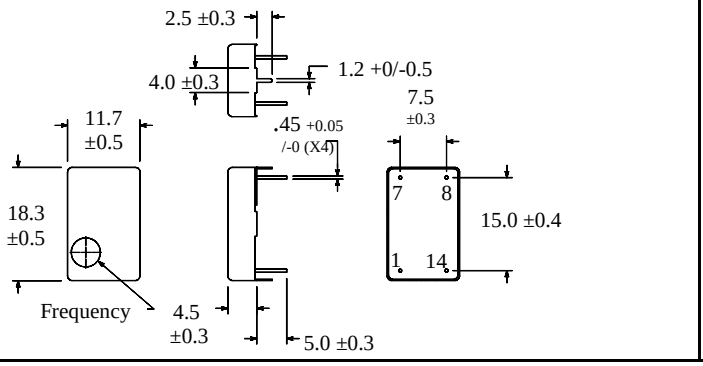
ELECTRICAL SPECIFICATIONS

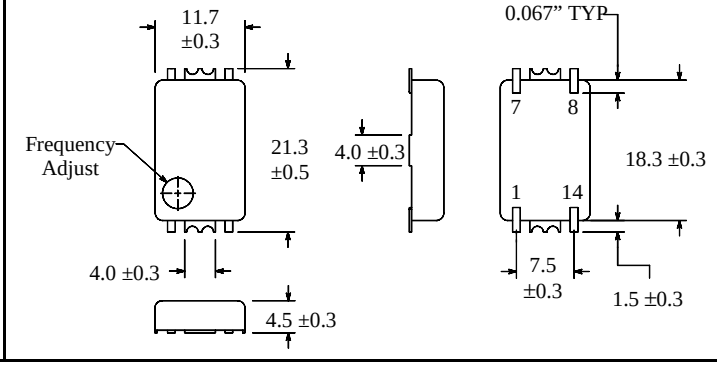
Environmental/Mechanical Specifications on page F5

Frequency Range		9.600MHz to 35.000MHz
Operating Temperature Range		See Table 1 Above.
Storage Temperature Range		-40°C to 85°C
Supply Voltage		5 VDC ±5%
Load Drive Capability		2TTL Load
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
Rise Time / Fall Time		10nSeconds Maximum
Input Current / Duty Cycle / Rise and Fall Time		30mA Maximum / 50±10% / 10nSeconds Maximum
Output Voltage Logic High (Voh)	w/TTL Load	2.4Vdc Minimum
Output Voltage Logic Low (Vol)	w/TTL Load	0.4Vdc Maximum
Frequency Stability	Vs. Operating Temperature	See Table 1 Above.
	Vs. Inpput Voltage (±5%)	±0.3ppm Maximum
	Vs. Load (±2pF)	±0.3ppm 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