

PART NUMBERING GUIDE

Revision: 1996-C

TABLE 1

TA62 3 20 C V 30.000MHz

Package
TA61 = Thru Hole
TA62 = SMD

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				*	*	*

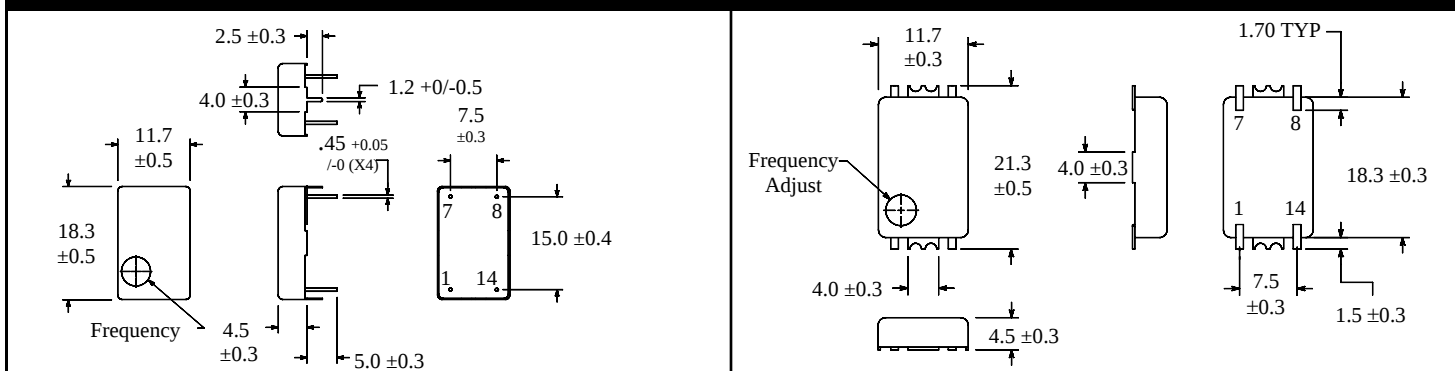
ELECTRICAL SPECIFICATIONS

Environmental/Mechanical Specifications on page F5

Frequency Range		9.600MHz to 35.000MHz
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		10TTL Load or 15pF HCMOS Load Maximum
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
Input Current / Duty Cycle / Rise and Fall Time		30mA Maximum / 50 $\pm 10\%$ / 5nSeconds Maximum
Output Voltage Logic High (Voh)	w/TTL Load	2.4Vdc Minimum
	w/HCMOS Load	Vdd - .05Vdc Minimum
Output Voltage Logic Low (Vol)	w/TTL Load	0.4Vdc Maximum
	w/HCMOS Load	0.5Vdc Maximum
Frequency Stability	Vs. Operating Temperature	See Table 1 Above.
	Vs. Inpput Voltage ($\pm 5\%$)	± 0.3 ppm Maximum
	Vs. Load (± 2 pF)	± 0.3 ppm 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