

PART NUMBERING GUIDE

Revision: 1995-B

TABLE 1

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

Operating Temperature		Frequency Stability (±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	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. Input 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