

SPECIFICATION

FREQUENCY RANGE	(fo)	1.0-125.0 MHz
OUTPUT TYPE		TTL/HCMOS
TEMPERATURE STABILITY	(f/fo)	A=±25PPM, B=±50PPM, C=±100PPM
OPERATING TEMP RANGE		-10deg.C To+60deg.C
STORAGE TEMP RANGE		-10deg.C To+85deg.C
LOAD CAPACITANCE		12pF 0.2 pF
DRIVE LEVEL		10 2•W
Parallel capacitance		7.0pF max or special
SERIES RESISTANCE		See table 1
INSULATION RESISTANCE		More than 500M• at DC 100V
AGING (at 25•)		Less than 5ppm/Year
MEASURE INSTRUMENT		Saunders 250B

FREQUENCY RANGE		(Fo)	1.0 ~ 125.0 MHz	
Output Type			TTL/HCMOS	
Temperature Stability		($\Delta f/fo$)	A=±25ppm, B=±50ppm, C=±100ppm	
OPERATING TEMPERATURE RANGE		(TOPR)	0°C ~ +70°C, -40°C ~ +85°C (only for ±100ppm)	
STORAGE TEMPERATURE RANGE		(TSTG)	-55°C ~ +125°C	
POWER SUPPLY VOLTAGE		(VDD)	5V ±10%	3.3V ±10%
AGING(at 25°C)			±5ppm/year Max	
SUPPLY CURRENT		(IDD)	1.5~32.0 20mA Max 32.01~50.0 35mA Max 50.01~125.0 60mA Max	1.5~32.0 10mA Max 32.01~50.0 15mA Max 50.01~125.0 25mA Max
OUTPUT SYMMETRY		(at 1.4 V _{dc} LEVEL)	40 to 60% Normal, 45 to 55% Tight	
RISE AND FALL TIME		(Tr, Tf)	5ns Max	8ns Max
OUTPUT VOLTAGE	LOGIC HIGH (VOH)		4.5V Min	2.97V Min
	LOGIC LOW (VOL)		0.5V Max	0.33V Max
OUTPUT LOAD (TTL)			10TTL (9.0~50.0), 5TTL(50.01~125.0)	
OUTPUT LOAD (CMOS)			50pF (9.0~50.0), 30pF(50.01~125.0)	15pF Max. HCMOS LOAD
START-UP TIME		(Ts)	10ms Max	
ENABLE/DISABLE TIME			100ms Max	
PIN 1	NO CONNECTION	N/C	NO CONNECTION TO ENABLE OUTPUT	N/C
TRI-STATE	LOGIC HIGH (VIH)		2.2VDC Min to ENABLE OUTPUT	
INPUT VOLTAGE	LOGIC LOW (VIL)		0.8VDC Max to DISABLE OUTPUT	
			NO CONNECTION TO ENABLE OUTPUT	
			2.2VDC Min to ENABLE OUTPUT	
			0.8VDC Max to DISABLE OUTPUT	

