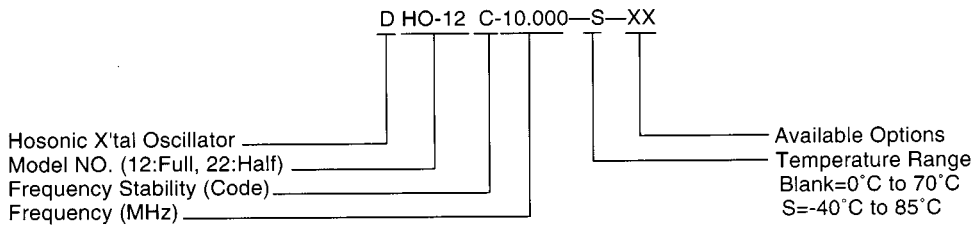


Full Size 12 Series And Half Size 22 Series

PART NUMBERING SYSTEM

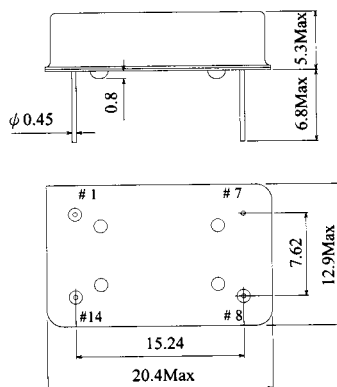


ELECTRICAL CHARACTERISTICS

Model	HO-12 series	HO-22 series
Package	14 Pin DIP (Full Size)	8 Pin DIP (Half Size)
Frequency Range (Fo)	1.000MHz to 100.000MHz	
Frequency Stability (± f/fo)	A=±25ppm, B=±50ppm, C=±100ppm	
Operating Temperature Range (ToPR)	0°C to 70°C, -40°C to 85°C (Available)	
Storage Temperature (Tstg)	-55°C to 125°C	
Power Supply Voltage (VDD)	5V±0.5VDC	
Aging (at 25°C)	±5ppm/year Max.	
Supply Current (IDD)	1.000MHz to 23.999MHz 20mA Max. 24.000MHz to 50.000MHz 30mA Max. 50.000MHz to 70.000MHz 40mA Max. 70.000MHz to 100.000MHz 60mA Max.	
Output Symmetry (At 50% VDD)	40 to 60% Normal, 45 to 55% Tight	
Rise and Fall Time (TR, TF) 10% to 90% of Waveform W/HCMOS Load	± 5ns Max.	
Output Voltage Logic High (VOH)	4.5V min	
Output Voltage Logic Low (VOL)	0.5V max	
Output load	1.000MHz to 40.000MHz	10TTL Load or 50pF HCMOS Load
	40.000MHz to 100.000MHz	10TTL Load or 15pF HCMOS Load

Dimensions

Unit: mm

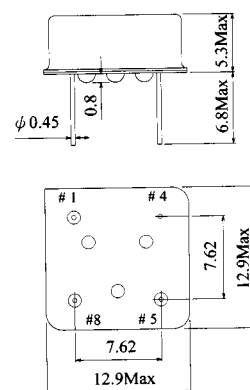


HO-12C

Pin	Connection
#1	N.C.
#7	GND
#8	Output
#14	+5 VDC

Dimensions

Unit: mm



HO-22C

Pin	Connection
#1	N.C.
#4	GND
#5	Output
#8	+5 VDC