

## CO14 & CO18 Series

### FEATURES

- HCMOS Output
- 14 Pin Full Size
- Industry Standard
- Wide Frequency Range
- Resistance Weld Package



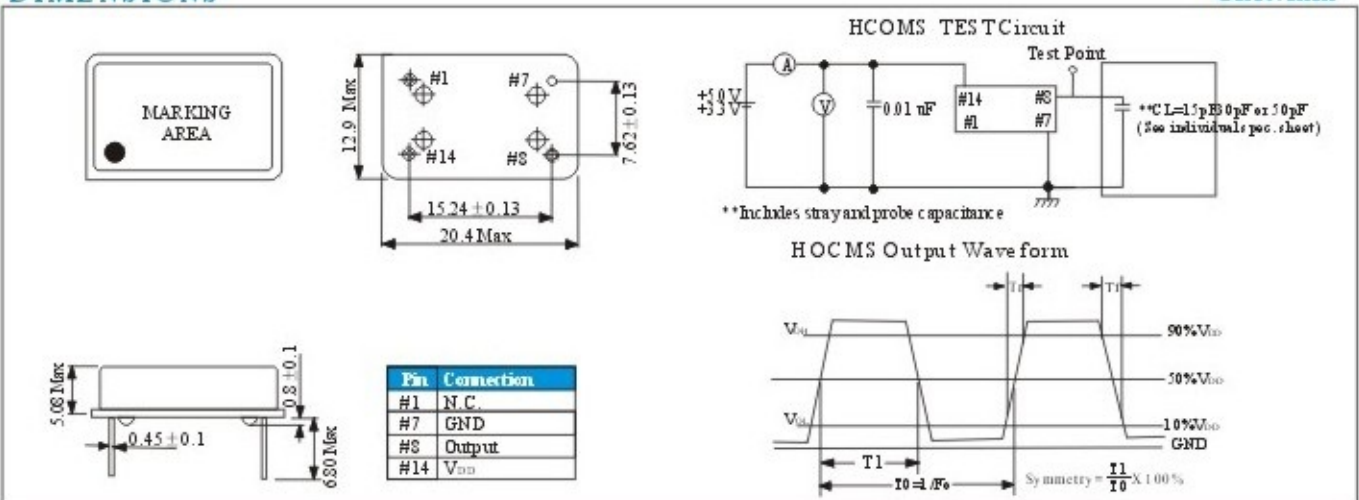
## ELECTRICAL SPECIFICATIONS

Parameter	Condition	CO14	CO18	
Frequency Range	F <sub>0</sub>	1.0 ~ 150.0MHz		
Frequency Stability*	All Condition*	±25ppm, ±50ppm, ±100ppm		
Operating Temperature Range	T <sub>OPR</sub>	0°C ~ 70°C (-40°C ~ +85°C option)		
Storage Temperature Range	T <sub>STG</sub>	-55°C ~ +125°C		
Power supply Voltage	V <sub>DD</sub>	1.8V ±5%	2.5V ±5%	
Aging (First Year)	25°C ±3°C	±5ppm		
Supply Current	I <sub>DD</sub>	0.5MHz to 23.999MHz	8mA Max	10mA Max
		24.000MHz to 49.999MHz	15mA Max	20mA Max
		50.000MHz to 69.999MHz	25mA Max	30mA Max
		70.000MHz to 150.000MHz	30mA Max	40mA Max
Output Symmetry	Sym	1/2V <sub>DD</sub> 40/60% (45/55% Option)		
Rise time	T <sub>r</sub>	5 nS Max	5 nS Max	
Fall Time	T <sub>f</sub>	5 nS Max	5 nS Max	
Output Voltage	V <sub>OH</sub>	90% V <sub>DD</sub> min		
	V <sub>OL</sub>	10% V <sub>DD</sub> max		
Output load	HCMOS Load	~50M:50pF	~50M:30pF	
		~70M:30pF ~150M:15pF	~150M:15pF	
Start-up Time	T <sub>s</sub>	10mS Max		

\*Include: 25°C tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration

## DIMENSIONS

Unit: mm



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