

## CO24 & CO28 Series

### FEATURES

- HCMOS Output
- 8 Pin Half Size
- Industry Standard
- Wide Frequency Range
- Resistance Weld Package



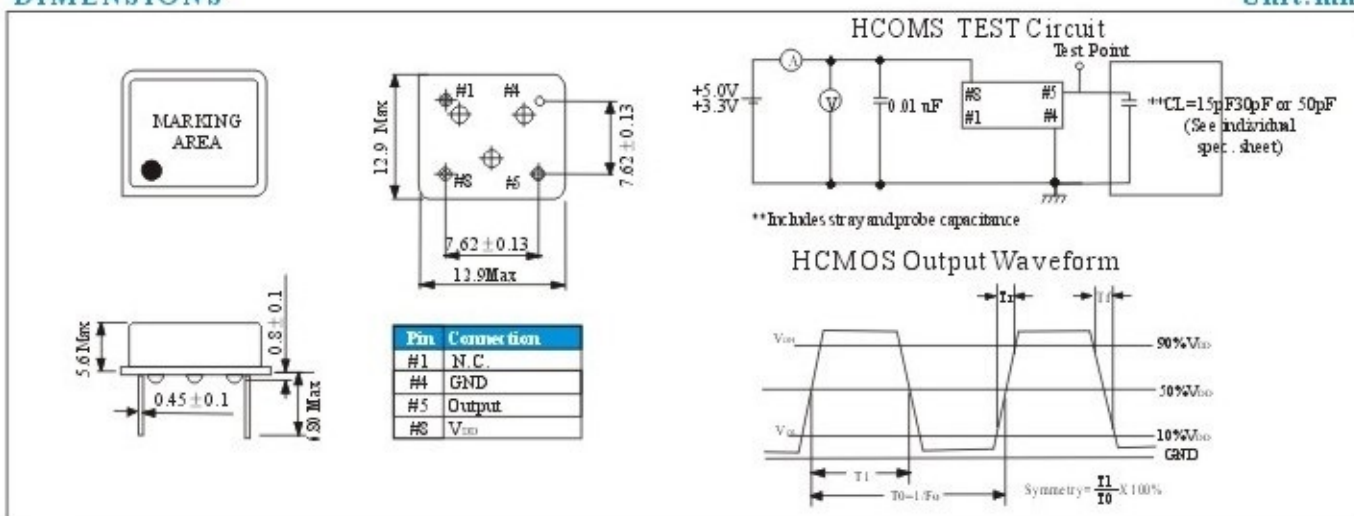
## ELECTRICAL SPECIFICATIONS

Parameter		Condition	CO24	CO28
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>STR</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	S <sub>ym</sub>	1/2V <sub>DD</sub>	40/60%(45/55% Option)	
Rise time	T <sub>r</sub>	10%V <sub>DD</sub> ~90%V <sub>DD</sub>	5 nS Max	5 nS Max
Fall Time	T <sub>f</sub>	90%V <sub>DD</sub> ~10%V <sub>DD</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 ~70M:30pF ~150M:15pF	~50M:30pF ~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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