

● CO22 & CO25 Series

FEATURES

- TTL/HCMOS Output compatible
- 8 Pin Half Size
- Industry Standard
- Wide Frequency Range
- Resistance Weld Package
- 3.3V Available

The CO22 series oscillator is TTL/HCMOS compatible. CO25 series is with 3.3V power Supply voltage.



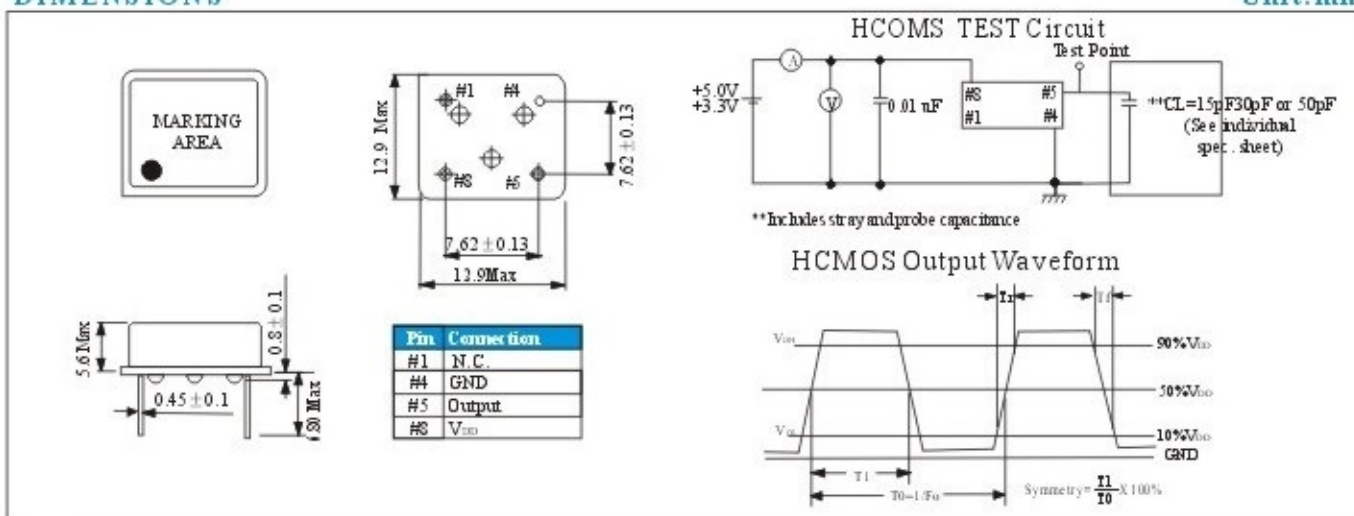
ELECTRICAL SPECIFICATIONS

Parameter		Condition	CO22	CO25
Frequency Range	F ₀		1.0 ~ 150.0MHz	
Frequency Stability*		All Condition*	±25ppm, ±50ppm, ±100ppm	
Operating Temperature Range	T _{OPR}		0°C ~ 70°C (-40°C ~ +85°C option)	
Storage Temperature Range	T _{STR}		-55°C ~ +125°C	
Power supply Voltage	V _{DD}		5.0V +/- 10%	3.3V +/- 10%
Aging (First Year)		25°C ± 3°C	± 5ppm	
Supply Current	I _{DD}	0.5MHz to 23.999MHz	20mA Max	15mA Max
		24.000MHz to 49.999MHz	30mA Max	20mA Max
		50.000MHz to 69.999MHz	40mA Max	30mA Max
		70.000MHz to 150.000MHz	60mA Max	45mA Max
Output Symmetry	S _{ym}	1/2 V _{DD}	40/60% (45/55% Option)	
Rise time	T _r	10% V _{DD} ~ 90% V _{DD}	10 nS Max	8 nS Max
Fall Time	T _f	90% V _{DD} ~ 10% V _{DD}	10 nS Max	8 nS Max
Output Voltage	V _{OH}		90% V _{DD} min	
	V _{OL}		10% V _{DD} max	
Output load	TTL Load		1~10TTL	1~5TTL
	HCMOS Load		~50M:50pF ~70M:30pF ~150M:15pF	~50M:30pF ~150M:15pF
Start-up Time		T _s	10mS Max	

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

DIMENSIONS

Unit: mm



HONG KONG:
NAKAGAWA ELECTRONICS LIMITED
☎ +852 2389 9201 ✉ sales@nkg.com.hk
☎ +852 2341 0001 🌐 www.nkg.com.hk

China Shenzhen office:
深圳中川晶体电子有限公司
☎ +86(0)755 2598 2548 ✉ sales_sz@nkg.cn
☎ +86(0)755 2598 2390 🌐 www.nkg.com.hk

China Suzhou office:
苏州纳美电子有限公司
☎ +86(0)512 8818 7890 ✉ sales_nm@nkg.cn
☎ +86(0)512 8818 7809 🌐 www.nkg.com.hk