

CO-22&25 Series

FEATURES

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

The CO-22 series oscillator is TTL/HCMOS compatible. CO-25 series is with 3.3V power Supply voltage. The metal package with pin#4 case ground acts as shielding to minimize EMI radiation.



ELECTRICAL SPECIFICATIONS

Parameter		Condition	CO-22	CO-25
Frequency Range	F ₀		0.5MHz~150.00MHz	
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}	1/2V _{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

