

# DIP CRYSTAL OSCILLATORS

## 345 / 346 Series



345



346

### FEATURES

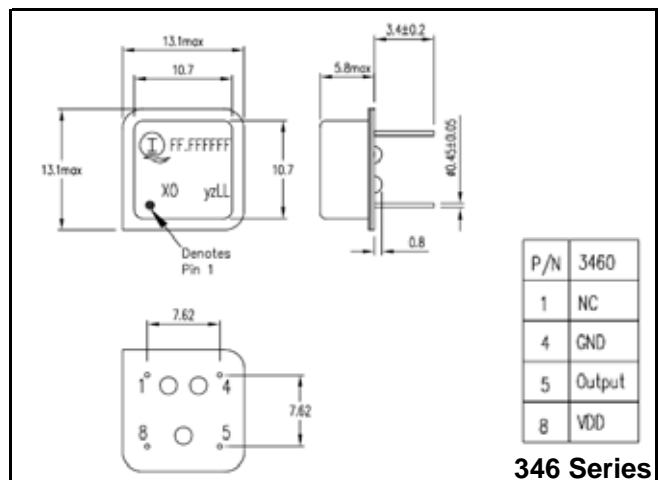
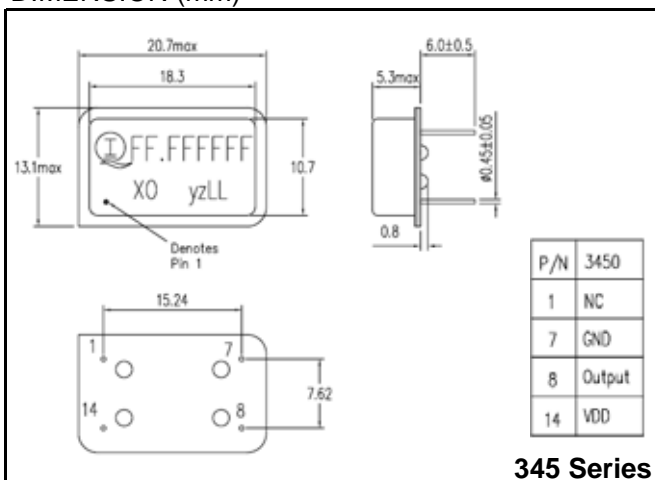
- 8 / 14 Pin Dip
- Through-hole package
- Gull wing version available



Item		Specifications
Nominal Frequency Range		1.0MHz ~ 125.0MHz
Frequency Stability <sup>1</sup>		±25ppm, ±50ppm
Operating Temperature Range		-10°C to 70°C, -40°C to 85°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage (V <sub>DD</sub> )		3.3V±10%, 5.0V±10%
Current Consumption	1.0MHz ~ 50.0MHz	40mA Max.
	50.0MHz ~ 100.0MHz	70mA Max.
	100.0MHz ~ 125.0MHz	90mA Max.
Rise & Fall Time	1.0MHz ~ 50.0MHz	8ns Max.
	50.0MHz ~ 100.0MHz	6ns Max.
	100.0MHz ~ 125.0MHz	3ns Max.
Output Waveform		CMOS, HCMOS
Duty Cycle		40% ~ 60%
Output Voltage	V <sub>OH</sub>	90% V <sub>DD</sub>
	V <sub>OL</sub>	10% V <sub>DD</sub>
Output Load		15pF
Start-up Time		10ms Max.

<sup>1</sup> Inclusive of initial frequency tolerance at 25°C, operating temperature range, supply voltage change, load variation and 1st year aging. Please consult our sales representatives for other specifications.

### DIMENSION (mm)



All specifications are subject to change without notice.



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