

SMD CERAMIC ENCLOSURE CRYSTAL OSCILLATORS

163 Series



FEATURES

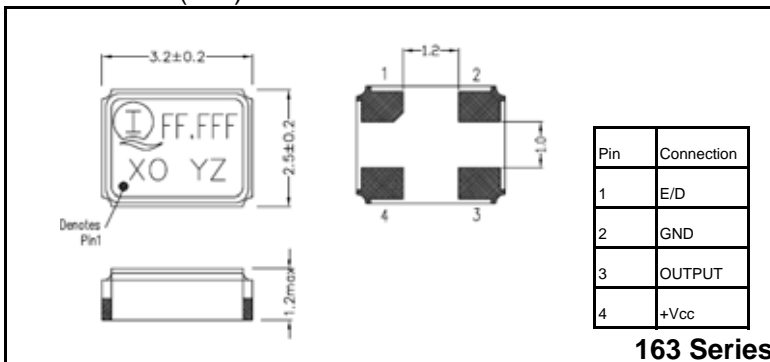
- Compact size
- Low profile
- Pick and place assembly
- Ultra-miniature size
- Low supply voltage version available



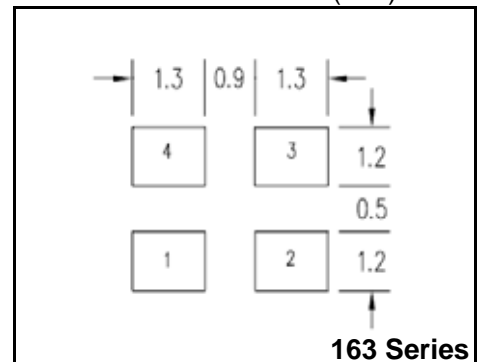
Item		Specifications
Nominal Frequency Range		1.0MHz ~ 50.0MHz
Frequency Stability ¹		±25ppm, ±50ppm
Operating Temperature Range		-10°C to 70°C, -40°C to 85°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage (V _{DD})		2.8V±5%, 3.3V±10%
Current Consumption	1.0MHz ~ 50.0MHz	40mA Max.
Rise & Fall Time	1.0MHz ~ 50.0MHz	8ns Max.
Output Waveform		CMOS, HCMOS
Duty Cycle		40% ~ 60%
Output Voltage	V _{OH}	90% V _{DD}
	V _{OL}	10% V _{DD}
Output Load		15pF
Start-up Time		10ms Max.

¹ 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)



SOLDERING PATTERN (mm)



All specifications are subject to change without notice.



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