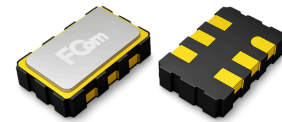


FCom Crystal Oscillator

Series FCO-5P-UJ

Low Jitter Oscillator 5.0×3.2 mm



Feature

- Frequency support from 10MHz to 250MHz
- Very low phase jitter:<1pS(0.6pS, typ.)RMS
- Singled-end output : CMOS
- Tri-state enable/disable

Application

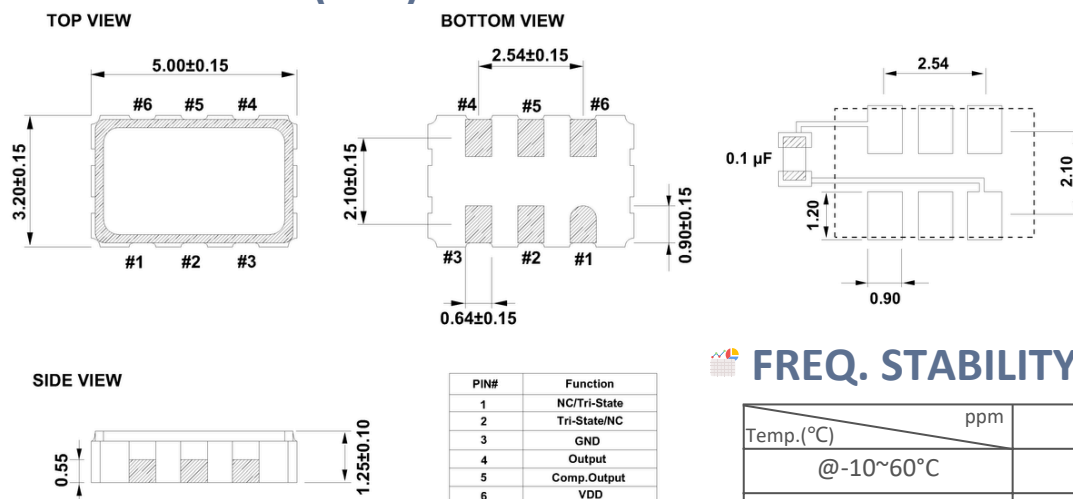
- Fiber Channel, Storage
- Enterprise Server, SAS/SATA
- Microprocessors/DSP/FPGA
- Broadband Access/Smart Grid

ELECTRICAL SPECIFICATIONS

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Frequency Range	F	10~250			MHz	
Standard Frequency	F(ST)	106.25, 125, 133.33, 150, 155.52, 158.25, 187.5, 212.5			MHz	
Supply Voltage	Vdd	-	2.5V	3.3V	V	Typ.
Supply Current	Icc(ST)	-	30	30	mA	
Rise Time/Fall Time	Tr/Tf	-	-	1.5	nSec	Max. @10% ~ 90%
Output Load (CMOS)	CL	15			pF	
Output Level	VoH	90% Vdd	-	-	V	Output High
	VoL	-	-	10% Vdd	V	Output Low
Tri-State Mode (Input to Pin 2 or Pin 1)	VIH	70% Vdd	-	-	V	Enable
	VIL	-	-	30% Vdd	V	Disable
Phase Noise @125 MHz	100 Hz	PN	-	-75	dBc/Hz	Test condition Ambient temperature: 25 ± 5°C Relative humidity: 40% ~ 70%
	1 kHz		-	-105		
	10 kHz		-	-120		
RMS Phase Jitter (At Integer Mode)		PJ	-	0.6	1.0	pSec
Duty Cycle		TH/T	45	~	55	%
Start-up Time		Tosc	-	-	10	mSec
Aging		ppm/yr	±3			ppm/yr
						1st. Year at 25°C

! Note : The table shows common spec. if you have special spec. requirement , please feel free to contact our salesperson.

DIMENSION(mm)



○: Available △: Conditional ×: Not available
Inclusive of calibration @25°C, operating temperature range, input voltage variation, load variation, aging (1st year), shock, and vibration.

FREQ. STABILITY vs. TEMP. RANGE

Temp.(°C)	ppm	± 25	± 50
@-10~60°C	○	○	○
@-20~70°C	○	○	○
@-40~85°C	△	○	○