

High Frequency Crystal Oscillator

SG - 710 PHK

< Features >

- Low profile , 1.5mm height
- High reliability using ceramic package
- Provided with output enable function
- C-MOS load version

< Applications >

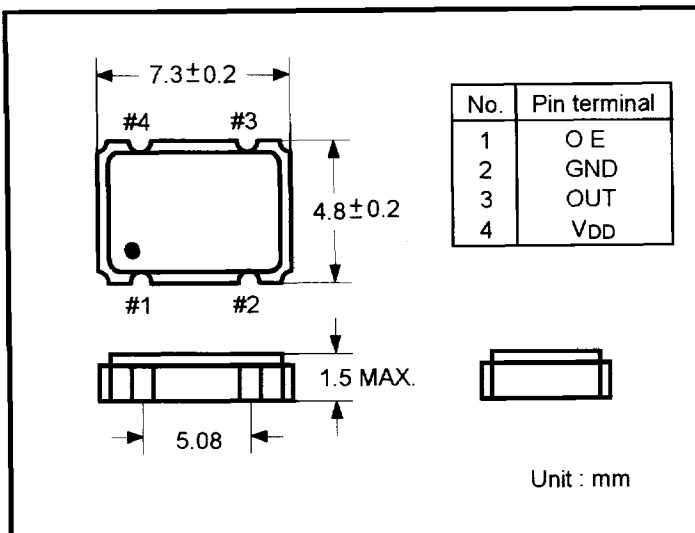
- HDD & MO
- Note - PC & PC card
- PDA & Handyterminal

■ Specifications (Characteristics)

Item	Symbol	Specifications	Condition
Output frequency range	f_o	1.8 to 80.00MHz	$V_{DD} = 5.0 \pm 0.5V$
Operating voltage	VDD	$5.0V \pm 0.5V$	
Operating temperature	T_{OPR}	-10°C to 70°C	
Frequency stability	$\Delta f / f$	B : $\pm 50ppm$ C : $\pm 100ppm$	
Current consumption	I_{OP}	15mA MAX. upto 25MHz 26mA MAX. upto 50MHz 34mA MAX. upto 70MHz 40mA MAX. upto 80MHz	$V_{DD} = 5.0V$, No - load
Output voltage	V_{OH}	$V_{DD} - 0.5V$ MIN.	$I_{OH} = -16mA$
	V_{OL}	0.5V MAX.	$I_{OL} = 16mA$
Output rise time	t_{TLH}	5.0ns MAX.	0.5V \rightarrow 4.5V
Output fall time	t_{THL}	5.0ns MAX.	4.5V \rightarrow 0.5V
Duty	T_w / T	45 to 55%	1 / 2 V_{DD} Level
		40 to 60%	1.4V Level
Output load condition	CL	50pF MAX.	$V_{DD} = 5.0V$
	N	or 10TTL MAX.	
Aging	f_a	$\pm 5ppm$ MAX.	$T_a = 25^\circ C$, First year

* This specification is subject to change without any notice.

■ External Dimensions



■ Recommended soldering pattern

