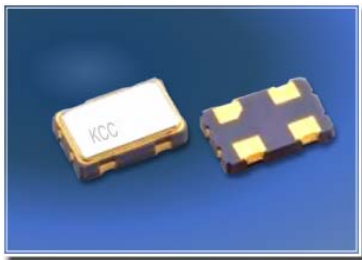


K.C.C Crystal Oscillator (SO-53 Series)



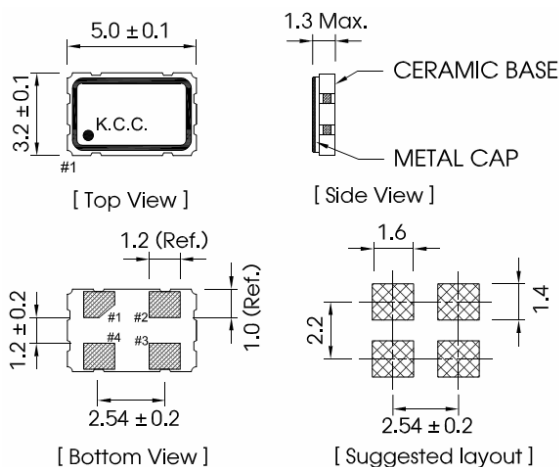
Features & Applications

- 5.0x3.2x1.3mm Size
- Ceramic Package
- CMOS Output
- Low Power Consumption
- RoHS Compliant.

General Specifications

Parameter	SO-53 Series				
	SO-531	SO-532	SO-533	SO-535	
Input Voltage	1.8V ± 5%	2.5V ± 5%	3.3V ± 10%	5.0V ± 10%	
Frequency Range	0.5 ~156.0 MHz	0.5 ~156.0 MHz	0.5~156.0 MHz	0.5 ~100.0 MHz	
Frequency Stability	A:±25, B: ±50, C: ±30, D: ±20 ppm				
Operating Temperature Range	-10 to +70°C ; -40 to +85°C				
Storage Temperature Range	-55 to +125°C				
Input Current (mA Max.)	0.5~9.99MHz	5	6	7	10
	10~19.99MHz	6	8	7	15
	20~31.99MHz	6	8	12	25
	32~49.99MHz	15	20	20	35
	50~79.99MHz	15	20	25	50
	80~99.99MHz	20	25	30	60
100~156.0MHz	25	30	40	80	
Output Logic High " 1 "	90% VDD				
Output Logic Low " 0 "	10% VDD				
Output Symmetry	40% to 60% (at 50%VDD)				
Rise and Fall Time (ns Max.)	0.5~31.99MHz	5	5	10	10
	32~49.99MHz	5	5	10	6
	50~79.99MHz	4	4	8	5
	80~99.99MHz	3	3	5	5
	100~156.0MHz	3	3	4	4
Output Load	15pF typical				
Start-Up Time	10ms (Max)				
Aging Rate	±5ppm / Year Max.				

Outline and Dimensions [Unit: mm]



Pin	Connection
#1	E/D
#2	Ground
#3	Output
#4	+VDD

Enable/Disable Function

E/D (#1)	Output (#3)
HIGH (Open)	Operating
LOW	High impedance

Order Part No.:

Product name: **Q 25.000M 53 3 A - G I Z**

① ② ③④⑤ ⑥⑦⑧

- ① KCC Oscillator
- ② Frequency
- ③ Size Type : SO-53=5.0x3.2x1.3mm
- ④ Input Voltage : 3=3.3V
- ⑤ Frequency Stability : A=±25ppm
- ⑥ RoHS Compliant
- ⑦ Operating temperature : T= -40°C to +85°C
- ⑧ Internal identification code