

Features

- Wide frequency range from 3.579 up to 50MHz
- High shock tolerance.
- Small size.
- Applications in Security, PC and peripherals, Microprocessor systems, Instrumentation, Automotive electronics, etc.
- Reliable frequency stability.
- Low power consuming.
- RoHS Compliant.



Electrical Specifications

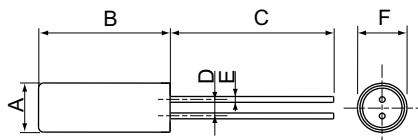
Item /Type	6Z (6Z Series Crystal Unit)	
	3×9 / 3×10	2×6 / 3×8
Size	3×9 / 3×10	2×6 / 3×8
Frequency Range	3.579MHz~4.000MHz	4.000MHz~50MHz
Load capacitance	12pF, 16pF, 20pF, or specify	
Drive level	10~100μW	
Frequency tolerance	±10~±30ppm, or specify	
Turnover Temperature	±25°C±5°C	
Insulation Resistance	500MΩ AT DC200V	
Operating temperature range	-10~+60°C, -20~+70°C, ±40~+85°C	
Storage temperature range	±40~+85°C	
Aging (at 25°C)	±3ppm	
Shunting capacitance	5.0pF Typ.	

Equivalent Series Resistance(ESR)

Fundamental		Fundamental / 3rd Overtone		
3.579~4.000MHz	180Ω Max.	7.000~9.999MHz	80Ω Max.	Fundamental
4.000~4.499MHz	150Ω Max.	10.000~11.999MHz	60Ω Max.	Fundamental
4.500~4.999MHz	120Ω Max.	12.000~29.999MHz	40Ω Max.	Fundamental
5.000~6.999MHz	100Ω Max.	30.000~50.000MHz	80Ω Max.	3rd Overtone

Dimensions

Units:mm



Size	A	B	C	D	E	F
2×6	∅2.0	6.0±0.3	7.0±0.3	0.7±0.2	0.2±0.1	∅2.0±0.1
3×8	∅3.0	8.0±0.3	10.0±0.3	1.1±0.2	0.3±0.1	∅3.0±0.1
3×9	∅3.0	9.0±0.5	10.0±0.5	1.1±0.2	0.3±0.1	∅3.0±0.1
3×10	∅3.0	10.0±0.5	9.7±0.5	1.1±0.2	0.3±0.1	∅3.0±0.1

