

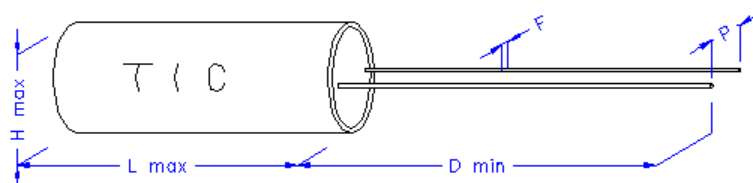
Crystal Unit



Cylinder 206 . 308 . 309 . 310



- 4 lengths for different size of product
- Low current consumption
- Bulk package only
- Suitable for various applications



(mm)	206	308	309	310
H	2.1	3.1		
L	6.2	8.2	9.1	10.2
F	0.26	0.35		
P	0.7	0.8		
D	7.0	10.0		

Standard Parameter

	206	308	309	310
Frequency Range (MHz)	6.000 ~ 27.000	6.000 ~ 70.000	4.000 ~ 5.999	3.500 ~ 3.999
Frequency Tolerance (at 25 °C)	±10ppm / ±20ppm / ±30ppm			
Load Capacitance	16pF / 20pF / upon request			
Operating Temperature Range	-20 °C ~ +70 °C			
Storage Temperature Range	-40 °C ~ +85 °C			
Equivalent Resistance	Refer to the following table			
Shunt Capacitance	5.0 pF max			
Drive Level	10 μW max	50 μW max		
Insulation Resistance	500MΩ min at DC100V ±15V			
Aging (at 25 °C per year)	±3ppm			

Standard Parameter

Frequency Range	Mode of Oscillation	Series Resistance	
		206	308 . 309 . 310
3.500 MHz ~ 3.999 MHz	Fundamental		150 Ω
4.000 MHz			120 Ω
4.001 MHz ~ 5.999 MHz			100 Ω
6.000 MHz ~ 7.599 MHz		150 Ω	80 Ω
7.600 MHz ~ 8.000 MHz		120 Ω	60 Ω
8.001 MHz ~ 9.999 MHz		80 Ω	50 Ω
10.000 MHz ~ 12.000 MHz		50 Ω	40 Ω
12.001 MHz ~ 13.999 MHz			30 Ω
14.000 MHz ~ 19.999 MHz			
20.000 MHz ~ 27.000 MHz			
27.001 MHz ~ 28.999 MHz			
28.000 MHz ~ 34.999 MHz	3 rd Overtone		50 Ω
35.000 MHz ~ 70.000 MHz			80 Ω