



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.



Electrical Specifications

Type	KDM CYLINDER CRYSTAL	
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	
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)

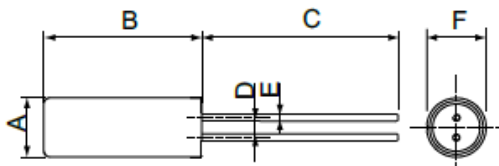
Fundamental		Fundamental / 3rd Overtone		
3.579~4.000MHz	180 Ω Max.	7.000~9.999MHz	80 Ω Max.	Fundamental
4.000~4.499MHz	150 Ω Max.	10.000~11.999MHz	60 Ω Max.	Fundamental
4.500~4.999MHz	120 Ω Max.	12.000~29.999MHz	40 Ω Max.	Fundamental
5.000~6.999MHz	100 Ω Max.	30.000~50.000MHz	80 Ω Max.	3rd Overtone

Ordering Information

KDM	26		016000M	20	30	A	
Product Code	Size		Frequency Range	Load Capacitance	Frequency Tolerance	Operating Temperature	
	26 = 2x6	39 = 3x9	16.000MHz	20=20pF	30=±30ppm	A:-20~+70°C	D:-40~+125°C
	38 = 3x8	31 = 3x10				B:-10~+70°C	E:-10~+60°C
						C:-40~+85°C	F:-30~+70°C

Dimension

Units:mm



Size	A	B	C	D	E	F
2x6	Φ2.0	6.0±0.3	7.0±0.3	0.7±0.2	0.2±0.1	Φ2.0±0.1
3x8	Φ3.0	8.0±0.3	10.0±0.3	1.1±0.2	0.3±0.1	Φ3.0±0.1
3x9	Φ3.0	9.0±0.5	10.0±0.5	1.1±0.2	0.3±0.1	Φ3.0±0.1
3x10	Φ3.0	10.0±0.5	9.7±0.5	1.1±0.2	0.3±0.1	Φ3.0±0.1

