



Features:

- High Accuracy and Stability
- Wide Frequency Range
- Surface Mount Lead Forming



Electrical Specifications

Holder Type	UM1 UM5
Mode of Operation	Fundamental / 3rd OT/ 5th OT/7th OT
Nominal Frequency Range	10 to 180 MHz
Frequency Tolarence @ 25°C	±50 ppm (Std.)
Temperature Stability	see Table 1
Operating Temperature Range	see Table 1
Load Capaciance	10 pF to32 pF or Series
Equivalent Series Resistance	see Table 2
Drive Level	0.001 to 1mW
Shunt Capacitance	<7.0 pF
Insulation resistance	500M Ω min at 100Vdc ±15V
Aging	±3ppm max.

To make your own Part Number or get a price quote, [click here](#).

Table 1

Frequency Vs Temperature

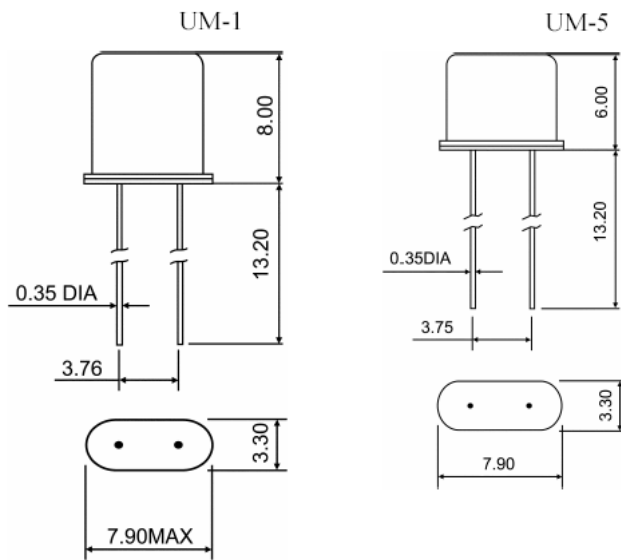
Temp. Range	Temperature Stability (ppm)						
	±5	±7	±10	±15	±20	±30	50
0 to +50°C	✓	✓	✓	✓	✓	✓	✓
-10 to +60°C		✓	✓	✓	✓	✓	✓
-20 to +70°C			✓	✓	✓	✓	✓
-40 to +85°C					✓	✓	✓

Table 2

Maximum Equivalent Series Resistance

Frequency Range	ESR (Ω)	Mode	Frequency Range	ESR (Ω)	Mode
10 to 12 MHz	50 Ω	Fundamental	27 to 48 MHz	60 Ω	3rd OT
12.1 to 14 MHz	40 Ω	Fundamental	48 to 90 MHz	50 Ω	3rd OT
14.3 to 16 MHz	35 Ω	Fundamental	80 to 150 MHz	80 Ω	5th OT
16.6 to 20 MHz	30 Ω	Fundamental	150 to 180 MHz	120 Ω	7th OT
20.1 to 27 MHz	25 Ω	Fundamental			

Mechanical Dimensions



For a price quote, [click here](#).

Part Number Builder

1	2	3	4	5	6	7	8	9
BFC	Frequency	Load (CI)	Package	Option	Stability @25°C	Stability over Temp	Operate Temp.	Mode
	14.31818	S= Series	U1= UM1	G= Gull Wing	3= ±30 ppm	3= ±30 ppm	A= 0 to +50°C	F= Fund
		32 pF	U5= UM5		2= ±20 ppm	2= ±20 ppm	B= -10 to +60°C	T= 3rd OT
					1= ±10 ppm	1= ±10 ppm	C= -20 to +70°C	V= 5th OT
					4= ±5 ppm	4= ±5 ppm	D= -40 to +85°C	S= 7th OT
					5= ±50 ppm	5= ±50 ppm		
					6= ±15 ppm	6= ±15 ppm		
					7= ±7 ppm	7= ±7 ppm		
1	2	3	4	5	6	7	8	9

Example								
<u>B</u>	<u>F</u>	<u>C</u>	<u>1</u>	<u>4</u>	<u>3</u>	<u>-</u>	<u>U</u>	<u>1</u>
1	2	3	4	5	6	7	8	9

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