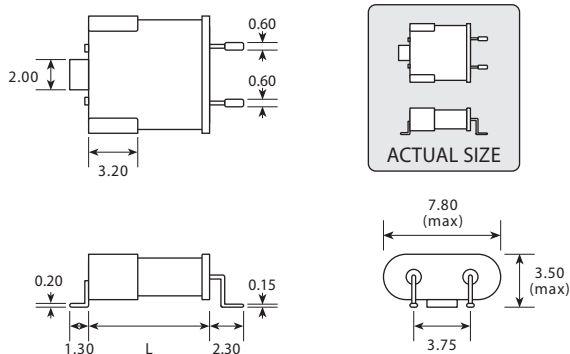




Package	Length L
UM-1J	8.00 max
UM-4J	4.80 max
UM-5J	6.00 max

Scale 2:1

90° cranked leads are available as an option to save approx 1mm in overall length. Contact our sales office for more details.

Features

- Ideal for custom frequencies & specifications
- Wide frequency range
- Tight specifications available
- Fundamental mode up to 55.0MHz

ESR Values

The table shows the maximum ESR values in ohms for each package across the available frequency range.

Frequency	Mode	UM-1J	UM-4J	UM-5J
3.5 ~ 4.99	Fundamental	200	-	-
5.0 ~ 5.99	Fundamental	150	-	-
6.0 ~ 6.99	Fundamental	120	-	-
7.0 ~ 7.99	Fundamental	100	-	-
8.0 ~ 9.99	Fundamental	90	-	-
10.0 ~ 15.9	Fundamental	40	60	60
16.0 ~ 55.0	Fundamental	30	40	40
30.0 ~ 49.9	3rd overtone	45	50	50
50.0 ~ 100	3rd overtone	60	60	60
60.0 ~ 150	5th overtone	90	120	120
130 ~ 300	7th overtone	150	150	150

Specifications

UM-1J: 8.0mm maximum body length

UM-4J: 4.8mm maximum body length

UM-5J: 6.0mm maximum body length

Parameters	Product			Option Code
	UM-1J	UM-4J	UM-5J	
Package:	UM-1J UM-4J UM-5J			
Frequency range: 3.579 ~ 300MHz 10.0 ~ 300MHz				
Calibration tolerance:				
±5ppm	☐	☐	☐	L
±7.5ppm	☐	☐	☐	M
±10ppm	☐	☐	☐	1
±20ppm	☒	☒	☒	2
±30ppm	☐	☐	☐	3
Other values (±3ppm ~ ±100ppm)	☐	☐	☐	specify
Temperature stability:				
±5ppm	☐	☐	☐	L
±7.5ppm	☐	☐	☐	M
±10ppm	☐	☐	☐	1
±20ppm	☐	☐	☐	2
±30ppm	☒	☒	☒	3
Other values (±3ppm ~ ±100ppm)	☐	☐	☐	specify
Operating temperature range:				
0 to +50°C	☐	☐	☐	0
-10 to +60°C	☒	☒	☒	1
-20 to +70°C	☐	☐	☐	2
-30 to +80°C	☐	☐	☐	3
-40 to +85°C	☐	☐	☐	4
Other values	☐	☐	☐	specify
Circuit condition:				
12pF	☐	☐	☐	B
16pF	☐	☐	☐	D
20pF	☐	☐	☐	F
30pF	☐	☐	☐	J
Series resonant	☐	☐	☐	S
Other values	☐	☐	☐	specify
Oscillation mode:				
Fundamental	☐	☐	☐	F
3rd overtone	☐	☐	☐	3
5th overtone	☐	☐	☐	5
7th overtone	☐	☐	☐	7
Static capacitance (C₀): 7pF max	☒	☒	☒	
Equivalent series resistance (max): see table	☒	☒	☒	
Ageing: ±3ppm max first year	☒	☒	☒	
Test drive level: 100μW	☒	☒	☒	
Soldering conditions: 260°C, 10sec max x 2	☒	☒	☒	

■ Standard. □ Optional - Please specify required code(s) when ordering

Ordering Information

Product name + option codes + frequency

eg: **UM-1J/231JF 16.0MHz** 20/30/10/30-F

- ◆ Available on T&R - 1k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Some combinations of stability and temperature range may not be available. Please check with us before ordering.