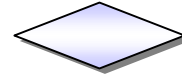


UM Series

Low Profile Thru-Hole & SMD Crystal



Microcom
Devices Ltd.

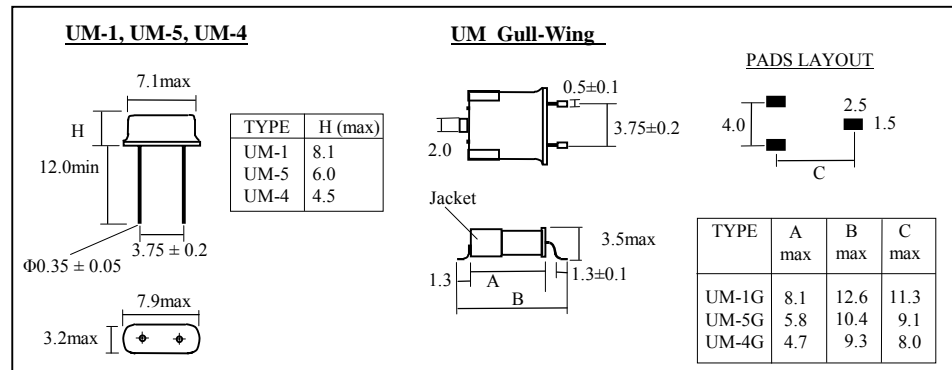
- FEATURES**
- . Low Profile UM Type Resistance Welded Seal
 - . Wide Frequency & Temperature. Range
 - . Tight Tolerance & Stability

SPECIFICATIONS (subject to change w/o notice)

Frequency Range	UM-1: 5MHz ~ 200MHz, UM-5 & UM-4: 10MHz ~ 200MHz
Operating Temp.	0°C ~ +50°C to -40°C ~ +85°C (+105°C)
Storage Temp.	-40°C ~ +85°C (105°C)
Frequency Tolerance	±5/10/15/20/30/50ppm @ 25°C
Frequency Stability	±5/10/15/20/30/50/100ppm (Ref. to 25°C) per temperature range
Load Capacitance	Series or 10pF~32pF
Shunt Capacitance	7pF max
Drive Level	10μW~ 1mW
Aging (25°C)	±3ppm max/year
Insulation Resistance	500MΩ min @ 100VDC

Frequency Range	5MHz ~ 40MHz	30MHz ~ 100MHz	80MHz ~ 155MHz	120MHz ~ 200MHz
Mode of Vibration	Fundamental	3 rd Overtone	5 th Overtone	7 th Overtone
Equivalent Series Resistance ESR (Max)	40 - 60Ω	60Ω	80Ω	100Ω

OUTLINE
(mm) not to scale



PART NUMBERING

Model	Frequency	Load	Tolerance	Stability	Temperature	Packaging	Other Options
UM1	MHz	pF Value	6: 100ppm	6: 100ppm	Blank: -10C ~ +60C	Blank: Bulk	Custom Inquiries
UM5	Value	or	5: 50ppm	5: 50ppm	J: -20C ~ +60C	R: Tape & Reel	
UM4		S: Series	4: 30ppm	4: 30ppm	K: -30C ~ +60C		
UM1G			3: 20ppm	3: 20ppm	C: 0C ~ +70C		
UM5G			2: 15ppm	2: 15ppm	M: -20C ~ +70C		
UM4G			1: 10ppm	1: 10ppm	N: -30C ~ +75C		
			0: 5ppm	0: 5ppm	I: -40C ~ +85C		
					E: -40C ~ +105C		
Example: UM1-16.384-18-11			Please Consult Microcom Devices Ltd. for Custom Specifications				