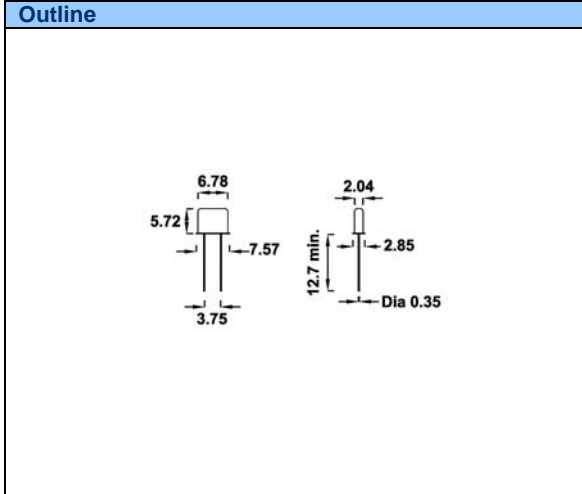




**FEATURE**

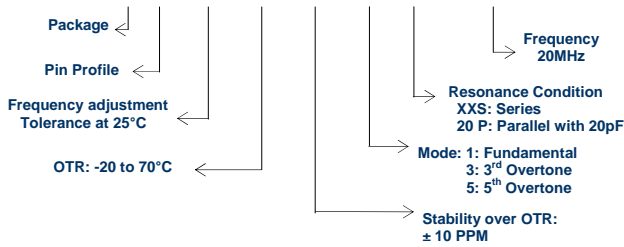
- All metal welded package
- Wide frequency range from 14 MHz upto 120 MHz
- RoHS Compliant Standard



▲ All dimensions are in mm.

**Ordering Information**

**Example**  
**UM5 2 F C D 1 20 P 020M000000**



Frequency Range	14 MHz to 120 MHz
Frequency Adjustment Tolerance at 25° C	Select from table below
Operating Temperature Range	Select from table below
Frequency Stability	Select from table below
ESR	Select from table below
Drive level	100 μ Watts Typical (or specify)
Shunt Capacitance C0	7.0 pF max.
Resonance Condition	XXS – series, XXP – Parallel with xx pF (for parallel please specify the xx value in pF)
Ageing	Resistance Weld: ±3 PPM / Year

Operating Temperature Range	
Code	Range
A	0 to +50 °C
B	0 to +60 °C
F	0 to +70 °C
D	-10 to +60 °C
E	-10 to +70 °C
C	-20 to +70 °C
G	-30 to +80 °C
H	-30 to +85 °C
I	-40 to +85 °C
J	-40 to +90 °C
K	-55 to +105 °C
L	-55 to +125 °C

Frequency Adjustment Tolerance at 25°C/Stability Over OTR	
Code	Stability
R	±3 PPM
B	±5 PPM
C	±7.5 PPM
D	±10 PPM
E	±15 PPM
F	±20 PPM
G	±25 PPM
H	±30 PPM
M	±50 PPM
K	±100 PPM

Frequency Range By Mode Of Oscillation		
Fundamental	3rd Overtone	5th Overtone
14 to 37 MHz	45 to 85 MHz	70 to 120 MHz

Max Equivalent Series Resistance Table			
Frequency Range MHz	ESR	Frequency Range MHz	ESR
Fundamental		3rd Overtone	
14.0 to ≤18.0	30 Ω	45.0 to ≤60.0	60 Ω
18.0 to ≤25.0	25 Ω	60.0 to ≤85.0	50 Ω
25.0 to ≤37.0	20 Ω	5th Overtone	
		70.0 to ≤90.0	90 Ω
		90.0 to ≤120.0	100 Ω

Pin Profile	Code
2 Pin Straight	2

Specifications subject to change without notice  
 Revision No. 12b of May 2008

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