



## 55MHz 3rd Overtone

Model Number	Centre Frequency (MHz)	Number of Poles	Pass Band dB @ kHz	Attenuation Band dB @ kHz	In-Band Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB @ kHz)	Termination ( $\Omega$ // pF)	Package Style
55G12B	55.025	4	3 $\pm$ 6.0	40 $\pm$ 40.0	1.5	4.0	70 +500 ~ +1000 70 -200 ~ -1000	3000 // -1.0 ( $C_c=4.0\text{pF}$ )	UM-1/3Lx2
55G20B	55.025	4	3 $\pm$ 10.0	35 $\pm$ 40.0	1.5	3.0	70 +500 ~ +1000 70 -200 ~ -1000	5000 // -1.0 ( $C_c=4.0\text{pF}$ )	UM-1/3Lx2
58G15B	58.1125	4	3 $\pm$ 7.5	40 $\pm$ 40.0	2.0	6.0	70 +500 ~ +1000 70 -200 ~ -1000	3000 // -1.0 ( $C_c=4.0\text{pF}$ )	UM-1/3Lx2
58G20B	58.1125	4	3 $\pm$ 10.0	25 $\pm$ 50.0	1.5	4.5	70 +500 ~ +1000 70 -200 ~ -1000	5000 // -1.0 ( $C_c=1.0\text{pF}$ )	UM-1/3Lx2

## 70MHz 3rd Overtone

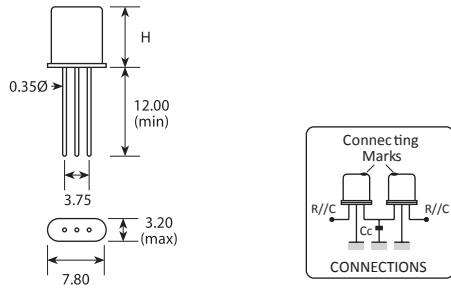
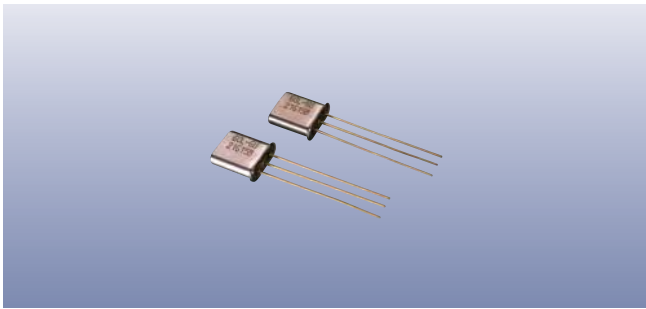
Model Number	Centre Frequency (MHz)	Number of Poles	Pass Band dB @ kHz	Attenuation Band dB @ kHz	In-Band Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB @ kHz)	Termination ( $\Omega$ // pF)	Package Style
70G15A	70.000	2	3 $\pm$ 7.5	15 $\pm$ 30.0	1.0	2.0	35 +500 ~ +1000 35 -200 ~ -1000	2000 // -1.0	UM-1/3L
70G15B	70.000	4	3 $\pm$ 7.5	25 $\pm$ 25.0	1.0	3.0	70 +500 ~ +1000 70 -200 ~ -1000	2000 // -1.0 ( $C_c=1.0\text{pF}$ )	UM-1/3Lx2
70G20A	70.000	2	3 $\pm$ 10.0	15 $\pm$ 40.0	1.0	2.0	35 +500 ~ +1000 35 -200 ~ -1000	2500 // -1.0	UM-1/3L
70G20B	70.000	4	3 $\pm$ 10.0	35 $\pm$ 40.0	1.0	3.0	70 +500 ~ +1000 70 -200 ~ -1000	2500 // -1.0 ( $C_c=1.0\text{pF}$ )	UM-1/3Lx2
70G30A	70.000	2	3 $\pm$ 15.0	15 $\pm$ 50.0	1.0	2.0	35 +500 ~ +1000 35 -300 ~ -1000	4000 // -1.0	UM-1/3L
70G30B	70.000	4	3 $\pm$ 15.0	30 $\pm$ 50.0	1.0	3.0	70 +500 ~ +1000 70 -300 ~ -1000	4000 // -1.0 ( $C_c=1.0\text{pF}$ )	UM-1/3Lx2

## 90MHz 3rd Overtone

Model Number	Centre Frequency (MHz)	Number of Poles	Pass Band dB @ kHz	Attenuation Band dB @ kHz	In-Band Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB @ kHz)	Termination ( $\Omega$ // pF)	Package Style
90G15A	90.000	2	3 $\pm$ 7.5	15 $\pm$ 30.0	1.0	2.0	35 +500 ~ +1000 35 -200 ~ -1000	1400 // 0	UM-1/3L
90G15B	90.000	4	3 $\pm$ 7.5	25 $\pm$ 25.0	1.0	3.5	70 +500 ~ +1000 70 -200 ~ -1000	1400 // 0 ( $C_c=0\text{pF}$ )	UM-1/3Lx2
90G20A	90.000	2	3 $\pm$ 10.0	15 $\pm$ 40.0	1.0	2.0	35 +500 ~ +1000 35 -200 ~ -1000	1500 // -1.0	UM-1/3L
90G20B	90.000	4	3 $\pm$ 10.0	35 $\pm$ 40.0	1.0	3.0	70 +500 ~ +1000 70 -200 ~ -1000	1500 // -1.0 ( $C_c=1.0\text{pF}$ )	UM-1/3Lx2
90G30A	90.000	2	3 $\pm$ 15.0	15 $\pm$ 50.0	1.0	2.0	35 +500 ~ +1000 35 -300 ~ -1000	4000 // -1.0	UM-1/3L
90G30B	90.000	4	3 $\pm$ 15.0	25 $\pm$ 50.0	1.0	3.0	70 +500 ~ +1000 70 -300 ~ -1000	4000 // -1.0 ( $C_c=1.0\text{pF}$ )	UM-1/3Lx2

- ◆ Operating temperature range of -20 to +70°C.
- ◆ Most UM-1 models also available in UM-4 or UM-5
- ◆ Formed leads and jacket SM option for UM-1, UM-4, UM-5

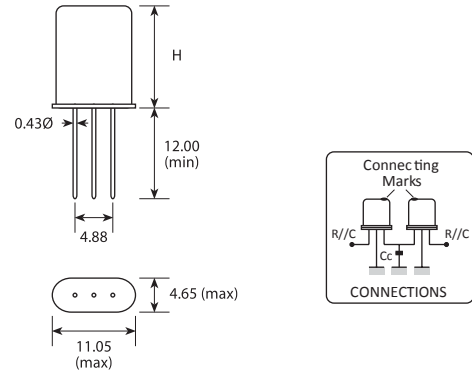
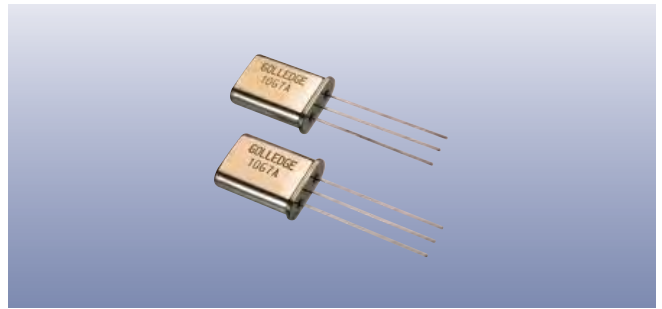
## UM-1/3L, UM-4/3L & UM-5/3L



Package	Height H
UM-1/3L	8.00 max
UM-4/3L	4.80 max
UM-5/3L	6.00 max

UM-1/3Lx2 is a pair of UM-1/3Ls connected as shown.

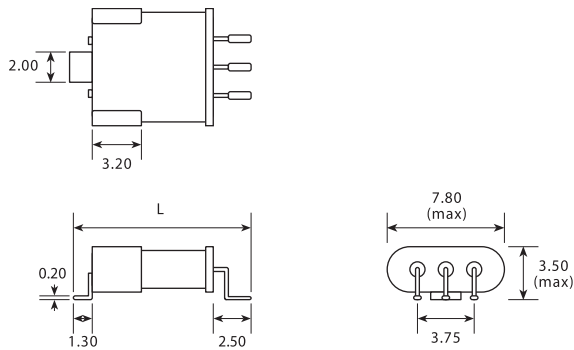
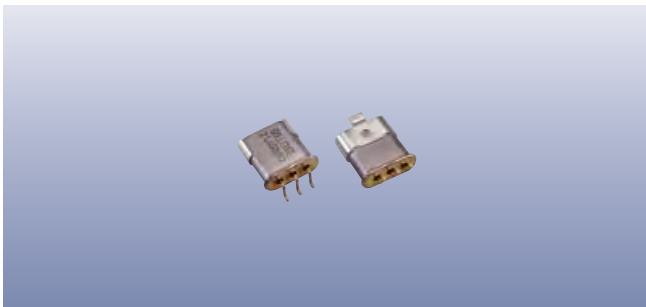
## HC49/3L & HC49T/3L



Package	Height H
HC49	13.46 max
HC49T	11.70 max

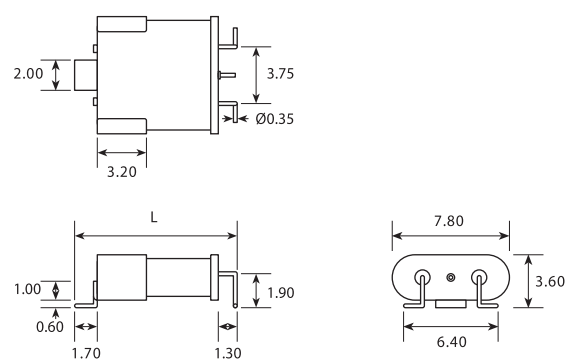
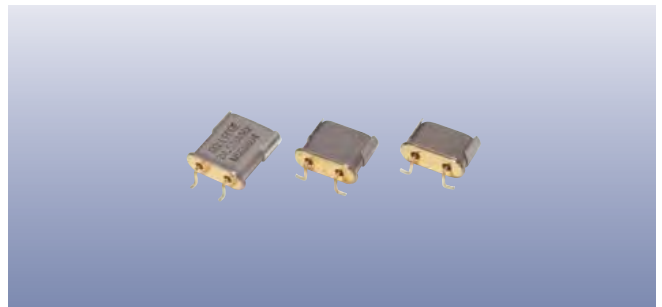
HC49/3Lx2 is a pair of HC49/3Ls connected as shown.

## UM-1JN/3L, UM-4JN/3L & UM-5JN/3L



Package	Length L
UM-1JN/3L	12.50 max
UM-4JN/3L	9.30 max
UM-5JN/3L	10.50 max

## UM-1JC/3L, UM-4JC/3L & UM-5JC/3L



Package	Length L
UM-1JC/3L	11.10 max
UM-4JC/3L	7.80 max
UM-5JC/3L	9.00 max