

Fundamental Mode

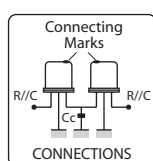
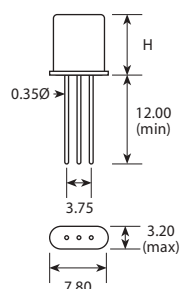
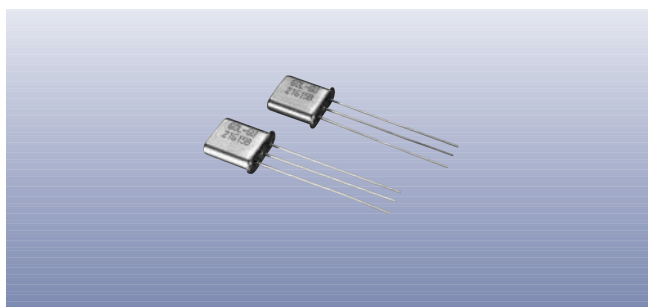
Model Number	Centre Frequency (MHz)	Number of Poles	Pass Band dB @ kHz	Attenuation Band dB @ kHz	In-Band Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB @ kHz)	Termination (Ω // pF)	Package Style
45G7A1	45.000	2	3 $\pm$ 3.75	10 $\pm$ 12.5	1.0	2.5	65 $\pm$ 910	300 // 10.0	UM-1/3L
45G7B1	45.000	4	3 $\pm$ 3.75	30 $\pm$ 12.5	1.0	4.0	90 $\pm$ 910	300 // 8.0 ($C_c=20$ pF)	UM-1/3Lx2
45G15A1	45.000	2	3 $\pm$ 7.5	15 $\pm$ 25.0	1.0	2.0	35 +500 ~ +1000 40 -200 ~ -1000	650 // 4.5	UM-1/3L
45G15B1	45.000	4	3 $\pm$ 7.5	30 $\pm$ 25.0	1.0	3.0	70 +500 ~ +1000 70 -200 ~ -1000	650 // 1.5 ($C_c=9.0$ pF)	UM-1/3Lx2
45G20A1	45.000	2	3 $\pm$ 10.0	15 $\pm$ 34.0	1.0	2.0	35 +500 ~ +1000 40 -200 ~ -1000	700 // 2.5	UM-1/3L
45G20B1	45.000	4	3 $\pm$ 10.0	40 $\pm$ 48.0	1.0	3.0	70 +500 ~ +1000 70 -200 ~ -1000	700 // 1.5 ($C_c=6.5$ pF)	UM-1/3Lx2
45G30A1	45.000	2	3 $\pm$ 15.0	15 $\pm$ 50.0	1.0	2.0	35 +500 ~ +1000 35 -300 ~ -1000	800 // 1.5	UM-1/3L
45G30B1	45.000	4	3 $\pm$ 15.0	40 $\pm$ 60.0	1.0	3.0	70 +500 ~ +1000 70 -300 ~ -1000	800 // 1.0 ($C_c=5.0$ pF)	UM-1/3Lx2

3rd Overtone Mode

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 (Ω // pF)	Package Style
45G7A3	45.000	2	3 $\pm$ 3.75	10 $\pm$ 12.5	1.0	2.0	35 $\pm$ 910	2500 // -0.5	UM-1/3L
45G7B3	45.000	4	3 $\pm$ 3.75	30 $\pm$ 12.5	1.0	4.0	75 $\pm$ 910	2500 // -0.5 ($C_c=0$ pF)	UM-1/3Lx2
45G15A3	45.000	2	3 $\pm$ 7.5	18 $\pm$ 28.0	1.0	2.0	35 +500 ~ +1000 35 -200 ~ -1000	4000 // -1.0	UM-1/3L
45G15B3	45.000	4	3 $\pm$ 7.5	40 $\pm$ 30.0	1.0	3.0	70 +500 ~ +1000 70 -200 ~ -1000	4000 // -1.0 ($C_c=-1.0$ pF)	UM-1/3Lx2
45G20A3	45.000	2	3 $\pm$ 10.0	15 $\pm$ 30.0	1.0	2.0	35 +500 ~ +1000 35 -200 ~ -1000	5000 // -1.0	UM-1/3L
45G20B3	45.000	4	3 $\pm$ 10.0	35 $\pm$ 40.0	1.0	3.0	70 +500 ~ +1000 70 -200 ~ -1000	5000 // -1.0 ($C_c=-1.5$ pF)	UM-1/3Lx2
45G30A3	45.000	2	3 $\pm$ 15.0	15 $\pm$ 50.0	1.0	2.0	30 +500 ~ +1000 30 -300 ~ -1000	8000 // -1.0	UM-1/3L
45G30B3	45.000	4	3 $\pm$ 15.0	30 $\pm$ 50.0	1.0	3.0	70 +500 ~ +1000 70 -300 ~ -1000	8000 // -1.0 ($C_c=-1.5$ 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

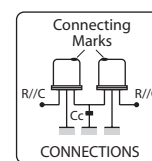
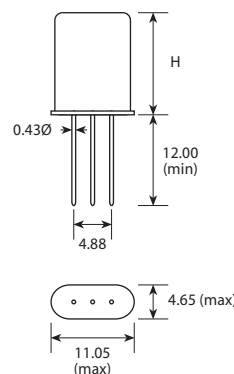
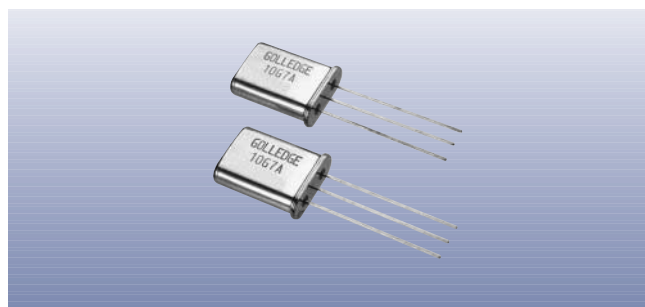


Package	Height H
UM-1/3L	8.00 max
UM-4/3L	4.80 max
UM-5/3L	6.00 max

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

Scale 1:1

HC49/3L & HC49T/3L

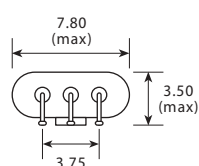
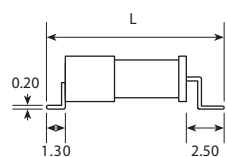
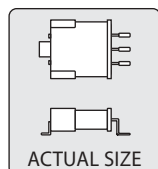
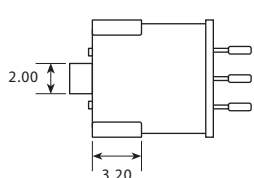
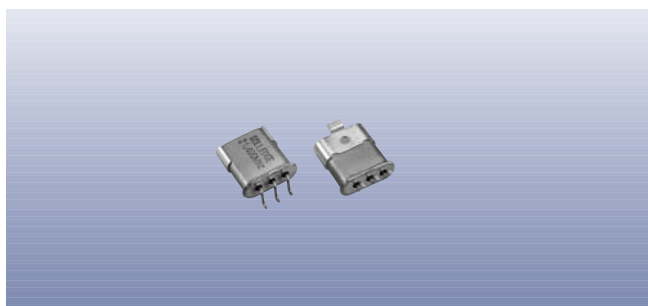


Package	Height H
HC49	13.46 max
HC49T	11.70 max

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

Scale 1:1

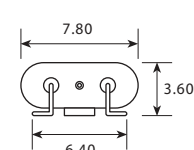
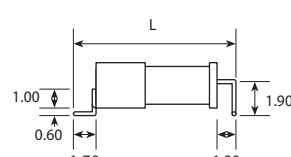
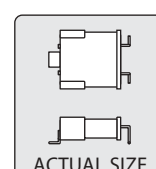
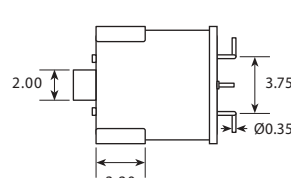
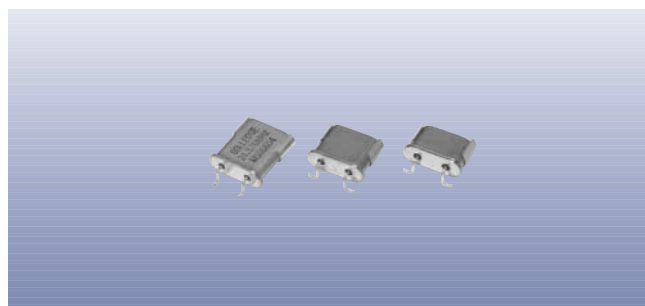
UM-1JN/3L, UM-4JN/3L & UM-5JN/3L



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

Scale 2:1

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

Scale 2:1