

# ■ 16.900MHz モノリシック・クリスタルフィルター

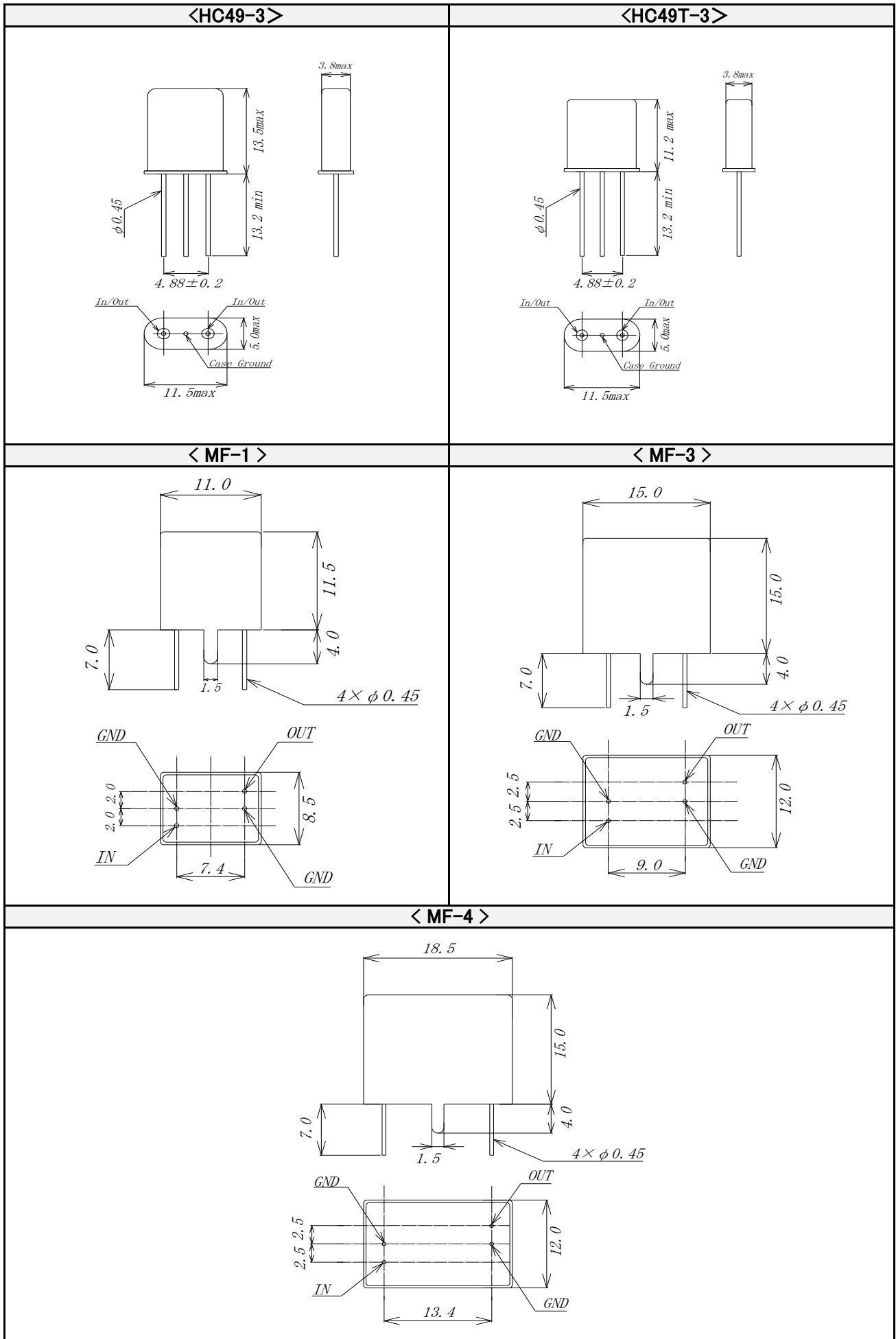
・中心周波数 : 16.900MHz (基本波)

型番 Type	中心 周波数 Center Freq. (MHz)	次数 Pole	通過帯域幅 Pass Band Width (Min.)		減衰帯域幅 Attenuation Band (Max.)		リップル Ripple (Max.) (dB)	ロス Loss (Max.) (dB)	保証減衰量 Atenuation Guaranteed		終端 インピーダンス Terminal Impedance ( $\Omega$ // pF) (pF) *1	動作 温度範囲 Operating Temperature °C	パッケージ Package
			(dB)	(kHz)	(dB)	(kHz)			(dB) (Min.)	(Fo $\pm$ kHz)			
16.9M7.5A	16.900	2	3	$\pm 3.75$	20	$\pm 18$	0.5	1.5	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	850//5	-20 $\sim$ +70	HC49*
16.9M7.5A2	16.900	2	3	$\pm 3.75$	20	$\pm 18$	0.5	1.5	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	1000//7	-20 $\sim$ +70	UM *
16.9M7.5B	16.900	4	3	$\pm 3.75$	40	$\pm 14$	1.0	2.5	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	850//5 (20)	-20 $\sim$ +70	HC49* x 2
16.9M7.5B2	16.900	4	3	$\pm 3.75$	30	$\pm 12.5$	1.0	2.5	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	1000//4 (18)	-20 $\sim$ +70	UM * x 2
16.9M7.5C	16.900	6	3	$\pm 3.75$	65	$\pm 12.5$	2.0	3.0	65	$\pm 12.5 \sim \pm 300$	850//5	-20 $\sim$ +70	MF-3
16.9M7.5C2	16.900	6	3	$\pm 3.75$	65	$\pm 12.5$	2.0	3.0	65	$\pm 12.5 \sim \pm 300$	1000//5	-20 $\sim$ +70	MF-3
16.9M7.5D	16.900	8	3	$\pm 3.75$	90	$\pm 12.5$	2.0	4.0	90	$\pm 12.5 \sim \pm 300$	850//5	-20 $\sim$ +70	MF-4
16.9M7.5D2	16.900	8	3	$\pm 3.75$	90	$\pm 12.5$	2.0	4.0	90	$\pm 12.5 \sim \pm 300$	1000//5	-20 $\sim$ +70	MF-4
16.9M12A	16.900	2	3	$\pm 6.0$	20	$\pm 25$	0.5	1.5	35 50	+300 $\sim$ +1000 -200 $\sim$ -1000	1500//2.5	-20 $\sim$ +70	HC49*
16.9M12A2	16.900	2	3	$\pm 6.0$	20	$\pm 25$	0.5	1.5	35 50	+300 $\sim$ +1000 -200 $\sim$ -1000	1500//3.5	-20 $\sim$ +70	UM *
16.9M12B	16.900	4	3	$\pm 6.0$	40	$\pm 20$	1.0	2.5	65 80	+300 $\sim$ +1000 -200 $\sim$ -1000	1500//2 (9)	-20 $\sim$ +70	HC49* x 2
16.9M12B2	16.900	4	3	$\pm 6.0$	40	$\pm 20$	1.0	2.5	65 80	+300 $\sim$ +1000 -200 $\sim$ -1000	1500//3 (8)	-20 $\sim$ +70	UM * x 2
16.9M12C	16.900	6	3	$\pm 6.0$	65	$\pm 20$	2.0	3.0	65	$\pm 20 \sim \pm 300$	1500//2	-20 $\sim$ +70	MF-3
16.9M12C2	16.900	6	3	$\pm 6.0$	65	$\pm 20$	2.0	3.0	65	$\pm 20 \sim \pm 300$	1500//2	-20 $\sim$ +70	MF-3
16.9M12D	16.900	8	3	$\pm 7.5$	90	$\pm 20$	2.0	3.5	90	$\pm 20 \sim \pm 300$	1500//2	-20 $\sim$ +70	MF-4
16.9M12D2	16.900	8	3	$\pm 7.5$	90	$\pm 20$	2.0	3.5	90	$\pm 20 \sim \pm 300$	1500//2	-20 $\sim$ +70	MF-4
16.9M15A	16.900	2	3	$\pm 7.5$	18	$\pm 25$	0.5	1.5	35 50	+300 $\sim$ +1000 -200 $\sim$ -1000	1500//2	-20 $\sim$ +70	HC49*
16.9M15A2	16.900	2	3	$\pm 7.5$	18	$\pm 25$	0.5	1.5	35 50	+300 $\sim$ +1000 -200 $\sim$ -1000	1500//2	-20 $\sim$ +70	UM *
16.9M15B	16.900	4	3	$\pm 7.5$	40	$\pm 25$	1.0	2.5	65 80	+300 $\sim$ +1000 -200 $\sim$ -1000	1800//1.5 (7.5)	-20 $\sim$ +70	HC49* x 2
16.9M15B2	16.900	4	3	$\pm 7.5$	40	$\pm 25$	1.0	2.5	65 80	+300 $\sim$ +1000 -200 $\sim$ -1000	1800//1.5 (7.5)	-20 $\sim$ +70	UM * x 2
16.9M15C	16.900	6	3	$\pm 7.5$	65	$\pm 25$	2.0	3.0	65	$\pm 20 \sim \pm 300$	1800//1.5	-20 $\sim$ +70	MF-3
16.9M15C2	16.900	6	3	$\pm 7.5$	65	$\pm 25$	2.0	3.0	65	$\pm 20 \sim \pm 300$	1800//1.5	-20 $\sim$ +70	MF-3
16.9M15D	16.900	8	3	$\pm 7.5$	90	$\pm 25$	2.0	3.5	90	$\pm 25 \sim \pm 300$	1800//1.5	-20 $\sim$ +70	MF-4
16.9M15D2	16.900	8	3	$\pm 7.5$	90	$\pm 25$	2.0	3.5	90	$\pm 20 \sim \pm 300$	1800//1.5	-20 $\sim$ +70	MF-4

\*1: 下段は結合容量 (Coupling Capacitance)

(外形寸法図は次頁)

■ HCタイプ 及び MFタイプ 外形図 ( 寸法単位:m/m )



■ UMタイプ 外形図 (寸法単位:m/m)

<p style="text-align: center;">&lt;UM-1-3&gt;</p>	<p style="text-align: center;">&lt;UM-1-3-Slim&gt;</p>
<p>Technical drawing of the UM-1-3 component. It includes a front view, a side view, and a top view. The front view shows a height of 8.0 max and a total height of 20±0.2. The side view shows a diameter of φ0.35±0.05 and a thickness of 2.2±0.2. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between the IN/OUT pins, and a distance of 3.0±0.2 from the Case Ground to the IN/OUT pins.</p>	<p>Technical drawing of the UM-1-3-Slim component. It includes a front view, a side view, and a top view. The front view shows a height of 8.0 max and a total height of 20±0.2. The side view shows a diameter of φ0.35±0.05 and a thickness of 1.8±0.2. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between the IN/OUT pins, and a distance of 2.5±0.2 from the Case Ground to the IN/OUT pins.</p>
<p style="text-align: center;">&lt;UM-5-3&gt;</p>	<p style="text-align: center;">&lt;UM-5-3-Slim&gt;</p>
<p>Technical drawing of the UM-5-3 component. It includes a front view, a side view, and a top view. The front view shows a height of 6.0max and a total height of 20±0.2. The side view shows a diameter of φ0.35±0.05 and a thickness of 2.2±0.2. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between the IN/OUT pins, and a distance of 3.0±0.2 from the Case Ground to the IN/OUT pins.</p>	<p>Technical drawing of the UM-5-3-Slim component. It includes a front view, a side view, and a top view. The front view shows a height of 6.0max and a total height of 20±0.2. The side view shows a diameter of φ0.35±0.05 and a thickness of 1.8±0.2. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between the IN/OUT pins, and a distance of 2.5±0.2 from the Case Ground to the IN/OUT pins.</p>
<p style="text-align: center;">&lt;UM-4-3&gt;</p>	<p style="text-align: center;">&lt;UM-4-3 Slim&gt;</p>
<p>Technical drawing of the UM-4-3 component. It includes a front view, a side view, and a top view. The front view shows a height of 4.5 max and a total height of 20±0.2. The side view shows a diameter of φ0.35±0.05 and a thickness of 2.2±0.2. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between the IN/OUT pins, and a distance of 3.0±0.2 from the Case Ground to the IN/OUT pins.</p>	<p>Technical drawing of the UM-4-3 Slim component. It includes a front view, a side view, and a top view. The front view shows a height of 4.5 max and a total height of 20±0.2. The side view shows a diameter of φ0.35±0.05 and a thickness of 1.8±0.2. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between the IN/OUT pins, and a distance of 2.5±0.2 from the Case Ground to the IN/OUT pins.</p>