

# ■ 21.400MHz モノリシック・クリスタルフィルター

・中心周波数 : 21.400MHz (基本波)

型番 Type	中心 周波数 Center Frequency (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)			
21M7.5A	21.400	2	3	$\pm 3.75$	20	$\pm 18$	0.5	1.5	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	850//6	-20 $\sim$ +70	UM *
21M7.5A2	21.400	2	3	$\pm 3.75$	20	$\pm 18$	0.5	2.0	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	850//5.5	-20 $\sim$ +70	UM *
21M7.5B	21.400	4	3	$\pm 3.75$	40	$\pm 14$	1.0	2.5	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	850//5 (16)	-20 $\sim$ +70	UM *
21M7.5B2	21.400	4	3	$\pm 3.75$	40	$\pm 14$	1.0	3.0	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	1000//4.5 (12)	-20 $\sim$ +70	UM *
21M7.5C	21.400	6	3	$\pm 3.75$	45	$\pm 8.75$	2.0	3.0	65	$\pm 12.5 \sim \pm 300$	850//5.0	-20 $\sim$ +70	MF-1,3
21M7.5D	21.400	8	3	$\pm 3.75$	65	$\pm 9.0$	2.0	4.0	90	$\pm 12.5 \sim \pm 300$	850//5.0	-20 $\sim$ +70	MF-1,4
21M12A	21.400	2	3	$\pm 6.0$	20	$\pm 25$	0.5	1.5	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	1200//3	-20 $\sim$ +70	UM *
21M12A2	21.400	2	3	$\pm 6.0$	20	$\pm 25$	0.5	2.0	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	1200//3	-20 $\sim$ +70	UM *
21M12B	21.400	4	3	$\pm 6.0$	40	$\pm 20$	1.0	2.0	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	1200//2.5 (10.5)	-20 $\sim$ +70	UM *
21M12B2	21.400	4	3	$\pm 6.0$	40	$\pm 20$	1.0	3.0	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	1600//2.5 (7)	-20 $\sim$ +70	UM *
21M12C	21.400	6	3	$\pm 6.0$	45	$\pm 14$	2.0	2.5	65	$\pm 20 \sim \pm 300$	1200//2.5	-20 $\sim$ +70	MF-1,3
21M12D	21.400	8	3	$\pm 6.0$	65	$\pm 14$	2.0	3.0	90	$\pm 20 \sim \pm 300$	1200//2.5	-20 $\sim$ +70	MF-1,4
21M15A	21.400	2	3	$\pm 7.5$	18	$\pm 25$	0.5	1.5	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	1500//2.5	-20 $\sim$ +70	UM *
21M15A2	21.400	2	3	$\pm 7.5$	15	$\pm 25$	0.5	2.0	35 50	+350 $\sim$ +1000 -200 $\sim$ -1000	1500//2	-20 $\sim$ +70	UM *
21M15A3	21.400	2	3	$\pm 7.5$	18	$\pm 25$	0.5	2.0	35 50	+400 $\sim$ +1000 -200 $\sim$ -1000	1500//3	-20 $\sim$ +70	UM *
21M15B	21.400	4	3	$\pm 7.5$	40	$\pm 25$	1.0	2.0	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	1500//2 (8)	-20 $\sim$ +70	UM *
21M15B2	21.400	4	3	$\pm 7.5$	40	$\pm 25$	1.0	4.0	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	1900//2 (5)	-20 $\sim$ +70	UM *
21M15C	21.400	6	3	$\pm 7.5$	45	$\pm 17.5$	2.0	2.5	65	$\pm 25 \sim \pm 300$	1500//2	-20 $\sim$ +70	MF-1,3
21M15D	21.400	8	3	$\pm 7.5$	65	$\pm 17.5$	2.0	3.0	90	$\pm 25 \sim \pm 300$	1500//2	-20 $\sim$ +70	MF-1,4
21M20A	21.400	2	3	$\pm 10$	15	$\pm 30$	0.5	2.0	35 50	+350 $\sim$ +1000 -350 $\sim$ -1000	1800//2.5	-20 $\sim$ +70	UM *
21M20B	21.400	4	3	$\pm 10$	45	$\pm 35$	1.0	2.0	65 80	+350 $\sim$ +1000 -200 $\sim$ -1000	1800//1.5 (5)	-20 $\sim$ +70	UM *
21M20C	21.400	6	3	$\pm 10$	60	$\pm 34$	2.0	2.5	60	$\pm 34 \sim \pm 300$	1800//1.5	-20 $\sim$ +70	MF-1,3
21M20D	21.400	8	3	$\pm 10$	80	$\pm 30$	2.0	3.0	80	$\pm 34 \sim \pm 300$	1800//1.5	-20 $\sim$ +70	MF-1,4
21M30A	21.400	2	3	$\pm 15$	15	$\pm 45$	0.5	1.5	35 45	+350 $\sim$ +1000 -350 $\sim$ -1000	1500//1	-20 $\sim$ +70	UM *
21M30B	21.400	4	3	$\pm 15$	40	$\pm 50$	1.0	2.0	65 80	+350 $\sim$ +1000 -250 $\sim$ -1000	2000//0.5 (3)	-20 $\sim$ +70	UM *
21M30C	21.400	6	3	$\pm 15$	65	$\pm 50$	2.0	2.5	65	$\pm 50 \sim \pm 300$	2200//0.5	-20 $\sim$ +70	MF-1,3
21M30D	21.400	8	3	$\pm 15$	80	$\pm 50$	2.0	3.0	80	$\pm 50 \sim \pm 300$	2200//0.5	-20 $\sim$ +70	MF-1,4

\*1: 下段は結合容量 (Coupling Capacitance)

(外形寸法図は次頁)

■ UMタイプ 外形図 (寸法単位:m/m)

<p>＜UM-1-3＞</p>	<p>＜UM-1-3-Slim＞</p>
<p>Technical drawing of UM-1-3 component. Side view shows a height of 8.0 max and a total height of 20±0.2. The diameter of the pins is <math>\phi 0.35 \pm 0.05</math>. The top width is 2.2±0.2. Top view shows a width of 8.0 max, a pin spacing of 3.75±0.25, and a distance from the case ground to the pins of 3.0±0.2. Labels include IN/OUT and Case Ground.</p>	<p>Technical drawing of UM-1-3-Slim component. Side view shows a height of 8.0 max and a total height of 20±0.2. The diameter of the pins is <math>\phi 0.35 \pm 0.05</math>. The top width is 1.8±0.2. Top view shows a width of 8.0 max, a pin spacing of 3.75±0.25, and a distance from the case ground to the pins of 2.5±0.2. Labels include IN/OUT and Case Ground.</p>
<p>＜UM-5-3＞</p>	<p>＜UM-5-3-Slim＞</p>
<p>Technical drawing of UM-5-3 component. Side view shows a height of 6.0max and a total height of 20±0.2. The diameter of the pins is <math>\phi 0.35 \pm 0.05</math>. The top width is 2.2±0.2. Top view shows a width of 8.0 max, a pin spacing of 3.75±0.25, and a distance from the case ground to the pins of 3.0±0.2. Labels include IN/OUT and Case Ground.</p>	<p>Technical drawing of UM-5-3-Slim component. Side view shows a height of 6.0max and a total height of 20±0.2. The diameter of the pins is <math>\phi 0.35 \pm 0.05</math>. The top width is 1.8±0.2. Top view shows a width of 8.0 max, a pin spacing of 3.75±0.25, and a distance from the case ground to the pins of 2.5±0.2. Labels include IN/OUT and Case Ground.</p>
<p>＜UM-4-3＞</p>	<p>＜UM-4-3 Slim＞</p>
<p>Technical drawing of UM-4-3 component. Side view shows a height of 4.5 max and a total height of 20±0.2. The diameter of the pins is <math>\phi 0.35 \pm 0.05</math>. The top width is 2.2±0.2. Top view shows a width of 8.0 max, a pin spacing of 3.75±0.25, and a distance from the case ground to the pins of 3.0±0.2. Labels include IN/OUT and Case Ground.</p>	<p>Technical drawing of UM-4-3 Slim component. Side view shows a height of 4.5 max and a total height of 20±0.2. The diameter of the pins is <math>\phi 0.35 \pm 0.05</math>. The top width is 1.8±0.2. Top view shows a width of 8.0 max, a pin spacing of 3.75±0.25, and a distance from the case ground to the pins of 2.5±0.2. Labels include IN/OUT and Case Ground.</p>

■ HCタイプ 及び MFタイプ 外形図 ( 寸法単位:m/m )

