

# ■ 45.000MHz モノリシック・クリスタルフィルター

・中心周波数 : 45.000MHz (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)			
45M7.5AF	45.000	2	3	$\pm 3.75$	10	$\pm 12.5$	1.0	2.0	65	-910	200//4	-20~+70	UM *
45M7.5BF	45.000	4	3	$\pm 3.75$	30	$\pm 12.5$	1.0	4.0	90	$\pm 900 \sim \pm 1000$	350//6.5 (18)	-20~+70	UM *
45M7.5CF	45.000	6	3	$\pm 3.75$	50	$\pm 12.5$	2.0	6.0	80	$\pm 900$	350//5	-20~+70	MF-1
45M7.5DF	45.000	8	3	$\pm 3.75$	70	$\pm 12.5$	2.0	7.0	80	$\pm 900$	350//5	-20~+70	MF-1
45M12AF	45.000	2	3	$\pm 6$	15	$\pm 22$	1.0	2.0	65	-910	650//5	-20~+70	UM *
45M12BF	45.000	4	3	$\pm 6$	30	$\pm 20$	1.0	3.0	90	$\pm 900 \sim \pm 1000$	500//4 (12)	-20~+70	UM *
45M12CF	45.000	6	3	$\pm 6$	50	$\pm 20$	2.0	6.0	80	$\pm 900$	600//3	-20~+70	MF-1
45M12DF	45.000	8	3	$\pm 6$	70	$\pm 20$	2.0	7.0	80	$\pm 900$	600//3	-20~+70	MF-1
45M15AF	45.000	2	3	$\pm 7.5$	15	$\pm 25$	1.0	2.0	35 65	+900~+1000 -900~-1000	650//3	-20~+70	UM *
45M15AF1	45.000	2	3	$\pm 7.5$	15	$\pm 25$	0.5	2.0	35 65	+400~+1000 -900~-1000	650//4.5	-20~+70	UM *
45M15BF	45.000	4	3	$\pm 7.5$	30	$\pm 25$	1.0	3.0	90	$\pm 900 \sim \pm 1000$	650//3 (9)	-20~+70	UM *
45M15CF	45.000	6	3	$\pm 7.5$	60	$\pm 25$	2.0	5.0	80	$\pm 900$	650//1.5	-20~+70	MF-1
45M15DF	45.000	8	3	$\pm 7.5$	80	$\pm 25$	2.0	6.0	80	$\pm 900$	650//1.5	-20~+70	MF-1
45M20AF	45.000	2	3	$\pm 10$	15	$\pm 35$	1.0	2.0	35 65	+900~+1000 -900~-1000	800//3	-20~+70	UM *
45M20BF	45.000	4	3	$\pm 10$	30	$\pm 40$	1.0	3.0	90	$\pm 900 \sim \pm 1000$	800//2 (6.5)	-20~+70	UM *
45M30AF	45.000	2	3	$\pm 15$	15	$\pm 60$	1.0	2.0	35 65	+900~+1000 -900~-1000	1200//0	-20~+70	UM *
45M30BF	45.000	4	3	$\pm 15$	30	$\pm 50$	1.0	3.0	90	$\pm 900 \sim \pm 1000$	1200//0.7 (3.5)	-20~+70	UM *
45M30CF	45.000	6	3	$\pm 15$	60	$\pm 50$	2.0	5.0	80	$\pm 900$	1500//0.3	-20~+70	MF-1
45M30DF	45.000	8	3	$\pm 15$	80	$\pm 50$	2.0	6.0	80	$\pm 900$	1500//0.3	-20~+70	MF-1

\*1: 下段は結合容量 (Coupling Capacitance)

・中心周波数 : 45.000MHz ( 3rd OverTone )

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)			
45M7.5A	45.000	2	3	$\pm 3.75$	10	$\pm 12.5$	1.0	2.0	35	$\pm 900$	2000//0.4	-20~+70	UM *
45M7.5B	45.000	4	3	$\pm 3.75$	30	$\pm 12.5$	1.0	4.0	75	$\pm 900$	3000//0.3 (-0.1)	-20~+70	UM *
45M12A	45.000	2	3	$\pm 6$	15	$\pm 22$	1.0	2.0	35	$\pm 900$	3000//0.1	-20~+70	UM *
45M12B	45.000	4	3	$\pm 6$	30	$\pm 22$	1.0	4.0	75	$\pm 900$	3600//0.7 (-1)	-20~+70	UM *
45M15A	45.000	2	3	$\pm 7.5$	15	$\pm 28$	1.0	2.0	35	$\pm 900$	4000//0.7	-20~+70	UM *
45M15B	45.000	4	3	$\pm 7.5$	30	$\pm 28$	1.0	4.0	75	$\pm 900$	4000//0.8 (-1)	-20~+70	UM *
45M20A	45.000	2	3	$\pm 10$	15	$\pm 35$	1.0	2.0	35	$\pm 900$	4000//0.1	-20~+70	UM *
45M20B	45.000	4	3	$\pm 10$	30	$\pm 35$	1.0	4.0	75	$\pm 900$	4000//0.7 (-1.2)	-20~+70	UM *

\*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 length of 20±0.2. The top section has a diameter of 2.2±0.2. The bottom section has a diameter of φ0.35±0.05. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between pins, and a distance of 3.0±0.2 from the center to the edge. Labels include IN/OUT, Case Ground, and IN/OUT.</p>	<p>Technical drawing of UM-1-3-Slim component. Side view shows a height of 8.0 max and a total length of 20±0.2. The top section has a diameter of 1.8±0.2. The bottom section has a diameter of φ0.35±0.05. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between pins, and a distance of 2.5±0.2 from the center to the edge. Labels include IN/OUT, Case Ground, and IN/OUT.</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 length of 20±0.2. The top section has a diameter of 2.2±0.2. The bottom section has a diameter of φ0.35±0.05. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between pins, and a distance of 3.0±0.2 from the center to the edge. Labels include IN/OUT, Case Ground, and IN/OUT.</p>	<p>Technical drawing of UM-5-3-Slim component. Side view shows a height of 6.0max and a total length of 20±0.2. The top section has a diameter of 1.8±0.2. The bottom section has a diameter of φ0.35±0.05. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between pins, and a distance of 2.5±0.2 from the center to the edge. Labels include IN/OUT, Case Ground, and IN/OUT.</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 length of 20±0.2. The top section has a diameter of 2.2±0.2. The bottom section has a diameter of φ0.35±0.05. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between pins, and a distance of 3.0±0.2 from the center to the edge. Labels include IN/OUT, Case Ground, and IN/OUT.</p>	<p>Technical drawing of UM-4-3 Slim component. Side view shows a height of 4.5 max and a total length of 20±0.2. The top section has a diameter of 1.8±0.2. The bottom section has a diameter of φ0.35±0.05. The top view shows a width of 8.0 max, a distance of 3.75±0.25 between pins, and a distance of 2.5±0.2 from the center to the edge. Labels include IN/OUT, Case Ground, and IN/OUT.</p>