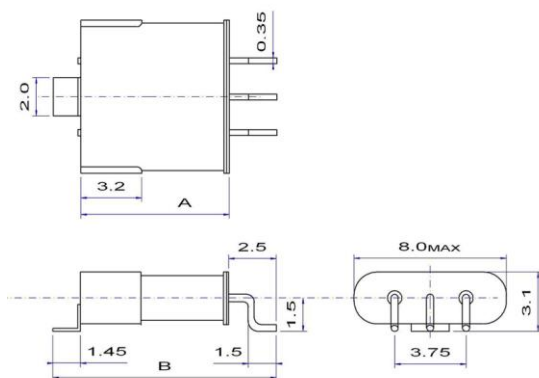


Metal packaged SMD and through hole MCF

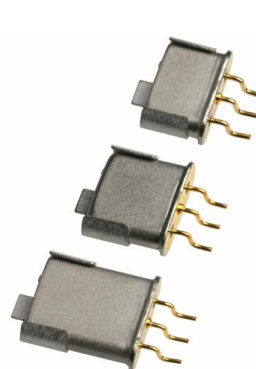
Type	Nominal Frequency [MHz]	Pole	Pass Band		Attenuation Band		Ripple max. [dB]	Insertion Loss [dB]	Attenuation Guaranteed		Terminal Impedance $Z_{IN} = Z_{OUT}$ [Ω // pF // pF]
			[dB]	[kHz]	[dB]	[kHz]			[dB]	[Fo ~ \pm kHz]	
21M7A	21.4000	2	3	± 3.75	20	± 18.0	0.5	1.5	35 50	+350 ~ +1000 -200 ~ -1000	850 // 6.0
21M7B	21.4000	4	3	± 3.75	40	± 14.0	1.0	2.5	65 80	+350 ~ +1000 -200 ~ -1000	850 // 5.0 Cc = 18
21M15A	21.4000	2	3	± 7.5	18	± 25.0	0.5	1.5	35 50	+350 ~ +1000 -200 ~ -1000	1500 // 2.0
21M15B	21.4000	4	3	± 7.5	40	± 25.0	1.0	2.5	65 80	+350 ~ +1000 -200 ~ -1000	1500 // 2.0 Cc = 8
35M8ET	35.4000	10	3	± 4.0	50	± 8.0	1.0	5.0	80	± 1000	50
35M26ET	35.4000	10	3	± 13.0	55	± 22.0	1.0	3.0	80	± 1000	50
45M7AF	45.0000	2	3	± 3.75	10	± 12.5	1.0	2.0	65	-910	200 // 4.0
45M7BF	45.0000	4	3	± 3.75	30	± 12.5	1.0	4.0	90	$\pm 900 \sim \pm 1000$	350 // 6.5 Cc = 18
45M15AF	45.0000	2	3	± 7.5	15	± 25.0	1.0	2.0	35 65	+900 ~ +1000 -900 ~ -1000	650 // 3.0
45M15BF	45.0000	4	3	± 7.5	30	± 25.0	1.0	3.0	90	$\pm 900 \sim \pm 1000$	650 // 3.0 Cc = 9
45M20BF	45.0000	4	3	± 10.0	30	± 40.0	1.0	3.0	90	$\pm 900 \sim \pm 1000$	800 // 2.0 Cc = 6.5
45M30BF	45.0000	4	3	± 15.0	30	± 50.0	1.0	3.0	90	$\pm 900 \sim \pm 1000$	1200 // 0.7 Cc = 3.5
70M15B	70.0000	4	3	± 7.5	25	± 25.0	1.0	3.0	70	+500 ~ +1000 -200 ~ -1000	2000 // -1 Cc = -1
90M15B	90.0000	4	3	± 7.5	25	± 25.0	1.0	3.5	70	+500 ~ +1000 -200 ~ -1000	1400 // -1 Cc = -1

operating temperature range	-20 ~ +70 °C -40 ~ +85 °C	commercial application industrial application
packaging units for SMD type	tape & reel:	500 or 1k pieces
other nominal frequencies , pass band and attenuations on request		

2 Poles & 4 Poles



2 Pole & 4 Pole



6 Pole, 8 Pole & 10 Pole



Type	A	B
UM-1 MJ	8.0	12.0
UM-5 MJ	6.0	10.0
UM-4 MJ	4.5	8.5

dimensions in mm

2002/95/EC RoHS compliant

04 Feb. 11