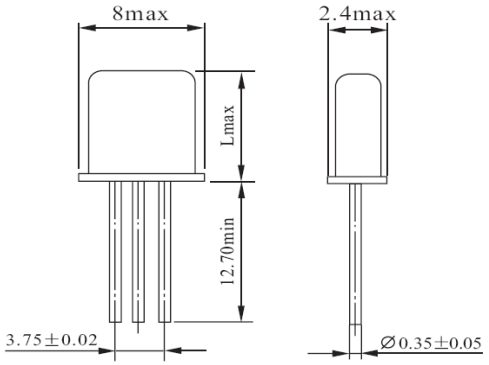
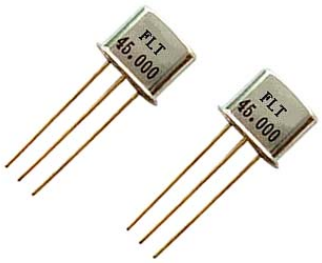
◆Mechanical Dimensions(mm)



Type	L
UM-1	8.0
UM-5	5.8

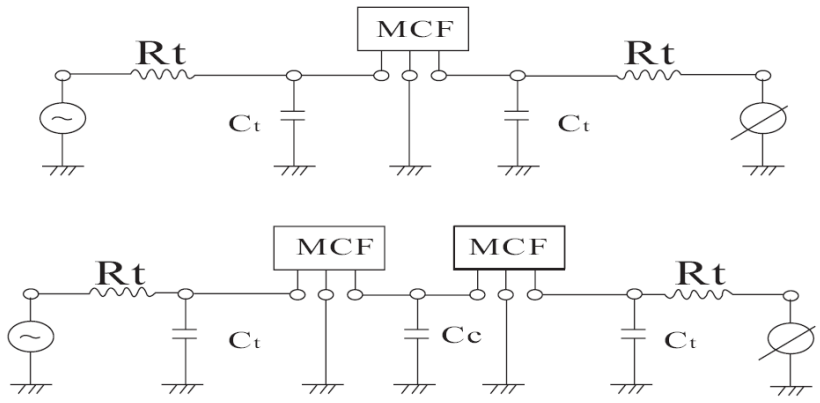


◆Electrical Specifications

Model	Center Frequency (MHz)	NO. of Poles	Pass Band Width at-3db(KHz)	Stop Band Width (KHz/Db)	Ripple(db)	Insertion Loss(Db)	Terminal Impedance (Ω//Pf)	Operating Temp.Range	Case
21M07A	21.40	2	±3.75	±14/18	0.5	1.5	850//7	-20~+70℃	UM-1/5
21M09A	21.40	2	±4.50	±12.5/14	0.5	1.5	850//7	-20~+70℃	UM-1/5
21M12A	21.40	2	±6.00	±20/15	0.5	1.5	1.2K//2.5	-20~+70℃	UM-1/5
21M15A1	21.40	2	±7.50	±25/18	0.5	1.5	1.5K//3	-20~+70℃	UM-1/5
21M15A2	21.40	2	±7.50	±30/18	0.5	2.0	1.5K//3	-20~+70℃	UM-1/5
21M15A3	21.40	2	±7.50	±30/18	1.0	2.0	1.5K//2	-20~+70℃	UM-1/5
21M20A	21.40	2	±10.0	±25/10	0.5	1.5	1.8K//1.5	-20~+70℃	UM-1/5
21M30A	21.40	2	±15.0	±45/15	0.5	1.5	3.0K//0.5	-20~+70℃	UM-1/5
21P07A	21.60	2	±3.75	±14/18	0.5	1.5	850//5	-20~+70℃	UM-1/5
21P12A	21.60	2	±6.00	±20/15	0.5	1.5	1.2k//2.5	-20~+70℃	UM-1/5
21P15A	21.60	2	±7.50	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
21T07A1	21.70	2	±3.75	±14/18	0.5	1.5	850//5	-20~+70℃	UM-1/5
21T07A2	21.70	2	±3.75	±15/18	0.5	1.5	850//6	-20~+70℃	UM-1/5
21T09A	21.70	2	±4.50	±12.5/14	0.5	1.5	1.5k//4	-20~+70℃	UM-1/5
21T12A	21.70	2	±6.00	±20/15	0.5	1.5	1.2k//2.5	-20~+70℃	UM-1/5
21T15A	21.70	2	±7.50	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
21T20A	21.70	2	±10.0	±25/10	0.5	1.5	1.8k//1.5	-20~+70℃	UM-1/5
21T30A	21.70	2	±15.0	±45/15	0.5	1.5	3.0k//0.5	-20~+70℃	UM-1/5
21S07A	21.75	2	±3.75	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
23M07A	23.050	2	±3.75	±12.5/16	0.5	1.5	1.6k//5	-20~+70℃	UM-1/5
23M15A	23.050	2	±7.50	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
30M15A	30.875	2	±7.50	±25/15	0.5	1.5	800//6	-20~+70℃	UM-1/5
45M07A	45.000	2	±3.75	±12.5/10	0.5	1.5	510//5.5	-20~+70℃	UM-1/5
45M15A	45.000	2	±7.50	±25/14	0.5	1.5	550//3	-20~+70℃	UM-1/5
45M30A	45.000	2	±15.0	±50/10	0.5	1.5	510//5.5	-20~+70℃	UM-1/5

Model	Center Frequency (MHz)	NO.of Poles	PassBand Width at-3db(KHz)	Stop Band Width (KHz/Db)	Ripple(db)	Insertion Loss(Db)	Terminal Impedance (Ω//Pf)	Operating Temperature	Case
21M07B	21.400	4	±3.75	±14/40	1.0	2.0	580//5	-20~+70℃	UM-1/5
21M08B	21.400	4	±4.00	±16/40	1.0	2.0	1k//4	-20~+70℃	UM-1/5
21M12B	21.400	4	±6.00	±20/40	1.0	2.0	1.2k//2.5	-20~+70℃	UM-1/5
21M15B	21.400	4	±7.50	±25/40	1.0	2.0	1.5k//2	-20~+70℃	UM-1/5
21M15B2	21.400	4	±7.50	±30/40	1.0	2.0	1.5k//2	-20~+70℃	UM-1/5
21M15B3	21.400	4	±7.50	±30/40	1.5	3.0	1.5k//1	-20~+70℃	UM-1/5
21M30B	21.400	4	±15.0	±50/40	1.0	2.0	3.3k//0.5	-20~+70℃	UM-1/5
21P07B	21.600	4	±3.75	±14/40	1.0	2.0	850//5	-20~+70℃	UM-1/5
21P12B	21.600	4	±6.00	±20/40	1.0	2.0	1.2k//2.5	-20~+70℃	UM-1/5
21P15B	21.600	4	±7.50	±25/40	1.0	2.0	1.5k//2	-20~+70℃	UM-1/5
21T07B	21.700	4	±3.75	±14/40	1.0	2.0	850//5	-20~+70℃	UM-1/5
21T12B	21.700	4	±6.00	±20/40	1.0	2.0	1.2k//2.5	-20~+70℃	UM-1/5
21T15B	21.700	4	±7.50	±25/40	1.0	2.0	1.5k//2	-20~+70℃	UM-1/5
21T30B	21.700	4	±15.0	±50/40	1.0	2.0	3.3k//0.5	-20~+70℃	UM-1/5
30M15B	30.875	4	±7.5	±25/40	1.0	2.5	800/4	-20~+70℃	UM-1/5
45M15B	45.000	4	±7.5	±25/40	1.0	2.5	650/3	-20~+70℃	UM-1/5
45M30B	45.000	4	±15.0	±40/30	1.0	2.5	800/1.5	-20~+70℃	UM-1/5

◆Test Circuit



◆Pass Band Filter Spec-drawing