



## IF Filters for Intercarrier Applications

Picture Carrier MHz	Type	PC - SC Distance MHz	Sound Carrier dB	Color Carrier dB	Group Delay sag ns	CC ns	Standard	Package	
36.88	<b>B1952M</b>	5.5	20	3.2	-35	80	B	SIP5K	
38.00	<b>K2953M</b>	5.5...6.5	20, 21	3.1	-85	-30	D/K, B/G	SIP5K	
	<b>K2958M</b>	5.5...6.5	20, 20	1.4	ripple=50		D/K, B/G	SIP5K	
	<b>K2959M</b>	5.5...6.5	17, 19	1.0	ripple=30		D/K, B/G	SIP5K	
	<b>K2963M</b>	5.5...6.5	20, 21	4.5	-95	-25	D/K, B/G	SIP5K	
	<b>K2965M</b>	5.5...6.5	19, 20	2.9	-50	50	D/K, B/G	SIP5K	
	<b>K2972M</b>	5.5...6.5	15, 16	1.2	ripple=40		D/K, B/G	SIP5K	
	<b>K2973M</b>	5.5...6.5	17, 20	1.7	-80	0	D/K, B/G	SIP5K	
	<b>K6264K</b>	p, 5.5...6.5	19, 20	2.2	0	35	D/K, B/G	DIP10K	
	<b>K6264K</b>	p, 4.5	21	4.8	ripple=40		M/N	DIP10K	
	<b>K6265K</b>	p, 5.5...6.5	18, 21	1.8	-80	-20	D/K, B/G	DIP10K	
	<b>K6265K</b>	p, 4.5	22	5.6	ripple=40		M/N	DIP10K	
	<b>K6268K</b>	p, 4.5	20	5.7	ripple=40		M/N	DIP10K	
	<b>K6277K</b>	p, 4.5	18	4.1	ripple=40		M/N	DIP10K	
	<b>K6277K</b>	p, 5.5...6.5	19, 19	2.0	15	30	D/K, B/G	DIP10K	
	<b>K6284K</b>	p, 4.5	22	3.3	ripple=50		M/N	DIP10K	
	<b>M1973D</b>	4.5	20	1.1	0	40	M/N	SIP5D	
38.90	<b>G1872M</b>	5.5	20	3.9	-100	65	B/G	SIP5K	
	<b>G1875M</b>	5.5	20	2.7	-50	70	B/G	SIP5K	
	<b>G1961M</b>	*, 5.5	20	3.7	-90	95	B/G	SIP5K	
	<b>G1962M</b>	*, 5.5	20	2.3	-70	30	B/G	SIP5K	
	<b>G1963M</b>	*, 5.5	20	0.9	-85	0	B/G	SIP5K	
	<b>G1965M</b>	*, 5.5	20	1.0	ripple=50		B/G	SIP5K	
	<b>G1966M</b>	*, 5.5	19	2.8	-50	60	B/G	SIP5K	
	<b>G1968M</b>	*, 5.5	20	3.7	-90	165	B/G	SIP5K	
	<b>G1974M</b>	*, 5.5	18	1.7	-40	60	B/G	SIP5K	
	<b>G1980M</b>	*, 5.5	16	4.0	ripple=50		B/G	SIP5K	
	<b>G1984M</b>	*, 5.5...5.85	14, 14	1.1	-90	10	B/G NICAM	SIP5K	
	<b>G1985M</b>	*, 5.5...5.85	14, 14	0.2	-90	70	B/G NICAM	SIP5K	
	<b>J1955M</b>	6.0	22	3.2	ripple=40		I	SIP5K	
	<b>J1956M</b>	*, 6.0	20	2.5	ripple=40		I	SIP5K	
	<b>J1980M</b>	6.0...6.55	14, 14	0.2	ripple=30		I NICAM	SIP5K	
	<b>K2955M</b>	5.5...6.5	21, 20	3.8	-50	0	B/G, D/K	SIP5K	
	<b>K2962M</b>	5.5...6.0	15, 15	1.0	ripple=40		B/G, I	SIP5K	
	<b>K2966M</b>	5.5...6.5	19, 20	3.1	-60	50	B/G, D/K	SIP5K	
	<b>K2967M</b>	5.5...6.5	20, 21	2.0	-65	0	B/G, D/K	SIP5K	
	<b>K2971M</b>	5.5...6.5	19, 19	0.7	-70	20	B/G, D/K	SIP5K	
		<b>K2977M</b>	5.5...6.5	14, 14	1.1	-65	0	B/G, D/K	SIP5K

cont.



IF Filters for Intercarrier Applications (cont.)

Picture Carrier MHz	Type	PC - SC Distance MHz	Sound Carrier dB	Color Carrier dB	Group Delay sag ns	CC ns	Standard	Package	
38.90	K6255K	*, p	5.5	19	3.1	-60	20	B/G	DIP10K
	K6255K	p,	6.5	20	0.8	-50	20	D/K	DIP10K
	K6256K	*, p	5.5	20	2.3	-65	30	B/G	DIP10K
	K6259K	p,	5.5...6.5	18, 17	0.3	-75	20	B/G, D/K	DIP10K
	K6259K	p,	4.5	18	1.9	ripple=40		M/N	DIP10K
	K6260K	*, p	5.5	16	2.1	-70	40	B/G	DIP10K
	K6262K	p,	4.5	17	2.4	ripple=40		B/G	DIP10K
	K6270K	*, p	5.5	20	3.0	-70	150	B/G	DIP10K
	K6270K	p,	6.5	20	1.0	-60	30	D/K	DIP10K
	K6271K	*, p	5.5	18	2.1	-65	150	B/G	DIP10K
	K6272K	*, p	5.5	20	2.8	-60	20	B/G	DIP10K
	K6272K	p,	5.5...6.5	14, 14	1.2	-70	0	B/G, D/K	DIP10K
	K6276K	p,	4.5	18	1.6	ripple=40		M/N	DIP10K
	K6276K	*, p,	5.5...6.5	17, 18	0.2	-75	10	B/G, D/K	DIP10K
	K7252M	p,	5.5...6.5	17, 19	1.2	-40	50	B/G, D/K	SIP5K
K7252M	p,	4.5	18	1.8	ripple=50		M/N	SIP5K	
M1956M		4.5	21	1.1	0	110	M/N	SIP5K	
39.50	J1951M	*	6.0	22	3.8	ripple=40		I	SIP5K
	J1953M		6.0	20	2.9	ripple=40		I	SIP5K
45.75	M1859M		4.5	17	4.5	ripple=40		M/N	SIP5K
	M1861M		4.5	17	4.3	ripple=50		M/N	SIP5K
	M1862M		4.5	14	1.6	ripple=50		M/N	SIP5K
	M1865D		4.5	13	0.3	ripple=50		M/N	SIP5D
	M1866M		4.5	17	2.0	ripple=40		M/N	SIP5K
	M1958M		4.5	20	4.3	ripple=50		M/N	SIP5K
	M1962M	**,	4.5	20	5.2	ripple=50		M/N	SIP5K
	M1964M		4.5	20	4.3	ripple=50		M/N	SIP5K
	M1966M	**,	4.5	19	1.5	-25	30	M/N	SIP5K
	M1967M	**,	4.5	19	1.0	ripple=40		M/N	SIP5K
58.75	N1910M	h,	4.5	19	3.5	ripple=40		M	SIP5K
	N1951M		4.5	18	4.0	ripple=50		M	SIP5K

\*: suitable for CENELEC EN 55020

h: high temperature stability

\*\* : suitable for FCC EIA / IS-31

p: pin configuration different from standard package



## IF Filters for Quasi/Split Sound Applications

Picture Carrier MHz	Type	PC - SC Distance MHz	Sound Carrier dB	Color Carrier dB	Group Delay sag ns	Delay CC ns	Standard	Package
33.90	<b>K3255K</b>	-6.5	47	-	ripple=50		L	DIP10K
38.00	<b>D3650K</b> p, #	6.5	52	-0.4	ripple=40		D/K	DIP10K
	<b>K3264K</b>	5.5...6.5	35, 39	0.6	-75	-15	D/K, B/G	DIP10K
	<b>K3351K</b> *, #	5.5...6.5	45, 48	1	-35	50	D/K, B/G	DIP10K
38.90	<b>G3254K</b> *,	5.5...5.85	33, 23	0.1	-95	60	B/G NICAM	DIP10K
	<b>G3264K</b> *,	5.5...5.85	36, 23	0.1	-70	120	B/G NICAM	DIP10K
	<b>G3354K</b> *, p, #	5.5...5.85	41, 23	-0.3	-60	40	B/G NICAM	DIP10K
	<b>G3355K</b> *, #	5.5...5.85	42, 25	0.4	-55	40	B/G NICAM	DIP10K
	<b>G3652K</b> p, #	5.5...5.85	35, 23	-0.4	ripple=40		B/G NICAM	DIP10K
	<b>J3351K</b> p, #	6.0...6.55	43, 47	2.6	ripple=40		I NICAM	DIP10K
	<b>J3353K</b> *, #	6.0...6.55	52, 56	-0.1	0	-50	I NICAM	DIP10K
	<b>J3652K</b> p, #	6.0...6.55	56, 52	-0.6	ripple=40		I NICAM	DIP10K
	<b>K3255K</b>	5.5...6.5	45, 25	6.6	ripple=50		L, B/G	DIP10K
	<b>K3258K</b>	5.5...6.5	56, 44	0.3	-30	40	D/K, B/G	DIP10K
	<b>K3350K</b> *, #	5.5...6.5	43, 55	1	-90	30	B/G, D/K	DIP10K
39.50	<b>J3252K</b>	6.0...6.55	59, 46	3.2	ripple=40		I NICAM	DIP10K
	<b>J3352K</b> *, #	6.0...6.55	55, 51	0.3	ripple=30		I NICAM	DIP10K
45.75	<b>M3271K</b> **, t,	4.5	29	0.1	ripple=60		M/N	DIP10K
	<b>M3352K</b> **, #	4.5	40	0	ripple=50		M/N	DIP10K
	<b>M3354K</b> **, #	4.5	28	-0.4	ripple=50		M/N	DIP10K
	<b>M3568M</b> p, #	4.5	43	2.4	ripple=60		M/N	SIP5K
	<b>M3654K</b> p, #	4.5	40	0.3	0	-40	M/N	DIP10K
58.75	<b>N3561M</b> p, #	4.5	29	0.3	ripple=50		M	SIP5K

\*: suitable for CENELEC EN 55020

\*\* : suitable for FCC EIA / IS-31

# : sound channel with sound passband only

t: optimized for Twin PLL IC's

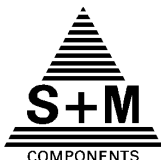
p: pin configuration different from standard package



### IF Filters for Video Applications

Picture Carrier MHz	Type	PC - SC Distance MHz	Sound Carrier dB	Color Carrier dB	Group Delay sag ns	CC ns	Standard	Package
33.40	G3957M	*	-6.5	30	-	ripple=40	L	SIP5K
	K3450K	*, p	-6.5	30	-	ripple=40	L	DIP10K
	K6260K	*, p	-6.5	41	-	ripple=60	L	DIP10K
33.90	K3953M	*	-6.5	53	-	ripple=50	L	SIP5K
	K6256K	*, p	-6.5	54	-	ripple=40	L	DIP10K
	K6257K	*, p	-6.5	54	-	ripple=50	L	DIP10K
	K6263K	*, p	-6.5	58	-	-50 50	L	DIP10K
	K6271K	*, p	-6.5	49	-	ripple=40	L	DIP10K
	K7257M	p,	-6.5	53	-	-50 50	L	SIP5K
38.00	K3955M		5.5...6.5	40, 56	0.8	ripple=40	B/G, D/K	SIP5K
	K3957M	*	5.5...6.5	48, 55	1	-50 50	B/G, D/K	SIP5K
	K6266K	*, p	5.5...6.5	48, 60	2.2	-50 70	B/G, D/K	DIP10K
	K6266K	p	4.5	29	2.3	0 70	M/N	DIP10K
	K6268K	*, p,	5.5...6.5	48, 57	2	-90 -10	B/G, D/K	DIP10K
	K6274K	*, p,	5.5...6.5	47, 49	2.5	ripple=40	B/G, D/K	DIP10K
	K6274K	p,	4.5	31	3.0	0 50	M/N	DIP10K
	K6284K	p,	5.5...6.5	47, 56	0.9	-90 10	D/K, B/G	DIP10K
38.90	G3957M	*	5.5...6.5	6, 45	0	ripple=40	B/G, D/K, L	SIP5K
	K3450K	*, p	5.5...6.5	5, 45	0	ripple=40	B/G, D/K, L	DIP10K
	K3450K	*, p	5.5	48	0.8	ripple=40	B/G	DIP10K
	K3953M	*	5.5...6.5	24, 52	1	ripple=50	B/G, D/K, L, I	SIP5K
	K3959D	*	5.5...6.5	32, 50	1.1	-50 20	B/G, D/K, I	SIP5D
	G3956M	*	5.5	39	1	-85 70	B/G	SIP5K
	G3958M	*	5.5	38	0	ripple=40	B/G	SIP5K
	G3962M	*	5.5	54	3	-85 15	B/G	SIP5K
	G3963M	*	5.5	56	2.7	ripple=50	B/G	SIP5K
	G3964M	*	5.5	51	2.6	-20 40	B/G	SIP5K
	G3965M	*	5.5	51	2.9	ripple=50	B/G	SIP5K
	G3967M	*	5.5	61	3.4	-85 15	B/G	SIP5K
	G3969M	*	5.5	56	3.4	-85 150	B/G	SIP5K
	G3970M	*	5.5	48	3.7	-35 150	B/G	SIP5K

cont.



IF Filters for Video Applications (cont.)

Picture Carrier MHz	Type	PC - SC Distance MHz	Sound Carrier dB	Color Carrier dB	Group Delay sag ns	Delay CC ns	Standard	Package
38.90	K6256K	*, p	6.0...6.5	53, 50	0.8	ripple=40	D/K, I, L	DIP10K
	K6257K	*, p	5.5	44	1.3	-55 70	B/G	DIP10K
	K6257K	*, p	6.0...6.5	52, 58	0.8	ripple=50	D/K, I, L	DIP10K
	K6260K	*, p	6.5	51	-	ripple=60	L	DIP10K
	K6262K	*, p	5.5	44	0.5	ripple=40	B/G	DIP10K
	K6263K	*, p	5.5...6.5	42, 61	0.5	-50 50	B/G, D/K, L	DIP10K
	K6263K	p,	4.5	29	2.2	ripple=40	M/N	DIP10K
	K6271K	*, p	6.0...6.5	64, 51	0.5	ripple=40	D/K, L, I	DIP10K
	K7257M	p,	5.5...6.5	43, 60	0.5	-50 50	B/G, D/K, L	SIP5K
	K7257M	p,	4.5	39	2.6	ripple=50	M/N	SIP5K
	M3960M		4.5	45	3.3	ripple=35	M/N	SIP5K
39.50	J3950M	*	6.0	52	2.1	ripple=40	I	SIP5K
45.75	M3951M	**,	4.5	32	2.2	-10 -40	M/N	SIP5K
	M3953M	**,	4.5	37	0.2	ripple=40	M/N	SIP5K
58.75	N3954M		4.5	40	0.3	ripple=60	M	SIP5K
	N3958M		4.5	40	2.8	ripple=60	M	SIP5K

\*: suitable for CENELEC EN 55020

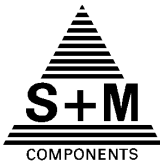
\*\* : suitable for FCC EIA / IS-31

p: pin configuration different from standard package

## IF Filters for Audio Applications

Sound Carrier MHz	Type	PC - SC Distance MHz	Picture Carrier dB	Standard	Package
31.50-32.50	K9261M	5.5...6.5	0	D/K, I, B/G	SIP5K
	K9351M #,	5.5...6.5	-48	D/K, I, B/G	SIP5K
	K9355M #,	5.5...6.5	-56	D/K, I, B/G	SIP5K
	K9455M p, #,	5.5...6.5	-51	D/K, I, B/G	SIP5K
31.50-33.50	K9252M	4.5...6.5	0	D/K, I, B/G, M/N	SIP5K
	K9352M #,	4.5...6.5	-52	D/K, I, B/G, M/N	SIP5K
32.40	L9360M #,	6.5	-48	L	SIP5K
	L9453M p, #	6.5	-45	L	SIP5K
	L9454M p, #	5.85...6.5	-57	L NICAM	SIP5K
	L9455M p, #	5.85...6.5	-45	L NICAM	SIP5K
	L9456M p, #	6.5	-48	L	SIP5K
	L9460M p, #	6.5	-54	L	SIP5K
	L9461M p, #	6.5	-50	L	SIP5K
32.40-32.90	K9460M p, #	6.0...6.5	-50	D/K, L, I	SIP5K
	K9463M p, #	6.0...6.55	-49	D/K, L, I NICAM	SIP5K
	K9552M p,	6.0...6.55	0	D/K, L, I NICAM	SIP5K
	K9356M #,	5.5...6.5	-47	D/K, L, I, B/G	SIP5K
	K9260M	5.5...6.5	0	D/K, I, B/G	SIP5K
	K9453M p, #	5.5...6.5	-49	D/K, L, I, B/G	SIP5K
	K9456M p, #	5.5...6.5	-48	D/K, L, I, B/G	SIP5K
	K9462M p, #	5.5...6.5	-48	D/K, L, I, B/G	SIP5K
	K9550M p,	5.5...6.5	0	D/K, L, I, B/G	SIP5K
K9650M p, #	5.5...6.5	-49	D/K, L, I, B/G	SIP5K	
32.40-34.40	K9253M	4.5...6.5	0	D/K, I, B/G, M/N	SIP5K
32.90	K9353M #,	6.0...6.55	-57	I NICAM	SIP5K
33.40	G9251M	5.5...5.85	0	B/G NICAM	SIP5K
	G9353M #,	5.5...5.85	-55	B/G NICAM	SIP5K
	K9460M p, #	5.5...5.85	-56	B/G NICAM	SIP5K
	K9463M p, #	5.5...5.85	-44	B/G NICAM	SIP5K
	K9552M p,	5.5...5.85	0	B/G NICAM	SIP5K
33.50	J9250M	6.0...6.55	0	I NICAM	SIP5K
	J9360M #,	6.0...6.55	-55	I NICAM	SIP5K
	K9455M p, #,	4.5	-49	M/N	SIP5K

cont.



IF Filters for Audio Applications (cont.)

Sound Carrier MHz	Type	PC - SC Distance MHz	Picture Carrier dB	Standard	Package	
34.40	K9461M	p, #	4.5	-41	M/N	SIP5K
	K9462M	p, #	4.5	-48	M/N	SIP5K
	K9550M	p,	4.5	0	M/N	SIP5K
39.90	L9455M	p, #	-5.85..-6.5	-51	L NICAM	SIP5K
	L9460M	p, #	-6.5	-42	L	SIP5K
40.40	L9353M	#,	-6.5	-55	L	SIP5K
	L9354M	#,	-5.85..-6.5	-62	L NICAM	SIP5K
	L9453M	p, #	-6.5	-52	L	SIP5K
	L9454M	p, #	-5.85..-6.5	-50	L NICAM	SIP5K
	L9456M	p, #	-6.5	-50	L	SIP5K
	K9453M	p, #	-6.5	-52	L	SIP5K
	K9456M	p, #	-5.85..-6.5	-46	L NICAM	SIP5K
	K9461M	p, #	-5.85..-6.5	-52	L NICAM	SIP5K
40.40	K9650M	p, #	-6.5	-49	L	SIP5K
41.00	L9461M	p, #	-6.5	-52	L	SIP5K
41.25	M9260M		4.5	0	M/N	SIP5K
	M9352M	#,	4.5	-59	M/N	SIP5K
	M9370M	#,	4.5	-60	M/N	SIP5K
54.25	N9260M		4.5	0	M	SIP5K
	N9350M	#,	4.5	-50	M	SIP5K

#: sound channel with sound passband only  
 p: pin configuration different from standard package

## Bandpass Filters

Center Frequency MHz	Type		Bandwidth 3dB MHz	Standard	Package
30.72	X7001L	h,	1.5	DAB	DIP18D
35.80	X6984M		7.3	Dig. CATV	SIP5K
36.00	X6981M		10.0	Dig. CATV	SIP5K
	X6857D		8.1	Dig. terrestrial TV	SIP5D
36.125	X6966M		8.0	Dig. CATV	SIP5K
36.20	X6967M		2.7	Dig. CATV	SIP5K
38.912	X6922M	h,	1.5	DAB	SIP5K
41.25	M9352M		0.9	DCR	SIP5K
43.75	X6964M		6.0	Dig. CATV	SIP5K
44.00	X6850K		5.6	Dig. terrestrial TV	DIP10K
	X6855M		8.0	Dig. CATV	SIP5K
	X6930M	h,	5.6	Dig. terrestrial TV	SIP5K
	X6959M		1.7	Interactive TV	SIP5K
	X6965M		6.0	Dig. CATV	SIP5K
45.00	X6968M		5.1	Dig. CATV	SIP5K
57.00	X6989M		6.1	Dig. CATV	SIP5K
67.07	X6969M		2.7	DCR	SIP5K
70.00	X6961M		28.0	Dig. SAT-TV	SIP5K
	X6962M		6.3	Dig. SAT-TV	SIP5K
	X6985M		9.6	Dig. SAT-TV	SIP5K
	X6986M		36.2	Dig. SAT-TV	SIP5K
72.75	X6924M	h,	0.7	Dig. CATV	SIP5K
75.25	X6920M	h,	0.8	Dig. CATV	SIP5K
104.20	Y6933M	h,	0.7	Dig. CATV	SIP5K
115.24	Y7102L	h,	3.1	Worldspace	DIP18D
118.20	Y6936M	h,	0.7	Dig. CATV	SIP5K
125.00	Y6935M	h,	0.8	Dig. CATV	SIP5K

c: please contact your SAW filter counterpart (Sales / Marketing)

h: high temperature stability





## Vestigial Sideband Filters

Picture Carrier MHz	Type	Vestigial Sideband MHz	Bandwidth 3dB MHz	Sound Carrier	Standard	Package
38.00	B 587	0.75	8.0	yes	D/K	SIP6M
38.90	B 585	0.75	7.0	yes	B/G	SIP6M
	G4960M	0.75	7.0	yes	B/G	SIP5K
	B 588	0.75	8.0	yes	B/G	SIP6M
	B 586	1.25	8.0	yes	I, L	SIP6M
	K4960M	0.75	8.0	yes	D/K	SIP5K
45.75	G4961M	0.75	6.7	yes	B/G	SIP5K
	J4951M	1.25	8.0	yes	I, L	SIP5K
	M4950M	0.75	6.0	yes	M/N	SIP5K
	M4951M	0.75	6.0	yes	M/N	SIP5K
	M4952M	0.75	6.0	yes	M/N	SIP5K



## Satellite Filters (1-Channel)

Center Frequency MHz	Type	Bandwidth 3dB MHz	Package
403.18	B 698 e,	29	TO39 B5
403.18	B 682	31	TO39 B5
480.00	B 706	8	TO39 B2
480.00	B 694 e,	18	TO39 B5
480.00	B 680	22	TO39 B5
480.00	B 684 a, e	27	TO39 B5
480.00	B 692 b, e	27	TO39 B5
480.00	B 696 b,	27	TO39 B5
480.00	B 704 b,	27	TO39 B2
480.00	B 674	32	TO39 B5
480.00	B 686	36	TO39 B5
480.00	B 716	36	TO39 B5
480.00	B 700	40	TO39 B5
480.00	B 702	45	TO39 B5
480.00	B 710	55	TO39 B5

- a: optimized for PAL systems
- b: optimized for PAL / NTSC systems
- e: ESD structure

### Satellite Filters (2-Channel)

Center Frequency MHz	Type	Bandwidth 3dB MHz	Package
479.50	B 625	15 + 27	TO39 B2
479.50	B 611	18 + 27	TO39 B2
479.50	B 615	27 + 32	TO39 B2
479.50	B 619	27 + 36	TO39 B2
480.00	B 649	8 + 14	TO39 B2
480.00	B 653	8 + 55	TO39 B2
480.00	B 655	12 + 36	TO39 B2
480.00	B 651	18 + 36	TO39 B2
480.00	B 643	27 + 54	TO39 B2
480.00	B 647	36 + 55	TO39 B2

### Resonators for Satellite Receivers (1-Port)

Center Frequency MHz	Type	Insertion Attenuation dB	Package
239.75	R 688	0.7	TO39 B1
479.50	R 684	1.9	TO39 B1

### Resonators for Satellite Receivers (2-Port)

Center Frequency MHz	Type	Insertion Attenuation dB	Package
479.50	R2663	7.7	TO39 B1

a: optimized for PAL systems  
e: ESD structure

b: optimized for PAL / NTSC systems