



KAF - TV/VCR Series SAW Filters

MHz Video / Sound Intermediate Frequency SAW Filters

Specifications (TV -VCR) - Video Intermediate Frequencies

Part No.	Insertion Loss (dB)	Attenuation Level (dB)				Passband (MHz)	Stopband (MHz)	Response (dB)	Impedance					Maximum Temperature (ppm/°C)	Temp. Coef. of Frequency (ppm/°C)	Dimension	Test Circuit		
		Passband Filter	Stopband Filter	Passband Filter	Stopband Filter				Input (Ω)	Input (Ω)	Output (Ω)	Output (Ω)							
T V C R	KAF-58 MR-MM	26 max.	4.0±1.5	4.0±2.0	20.0±3.0	40 min.	40 min.	30 min.	850	22	630	11	57.0	50 max.	Fig. A	Fig. B			
	KAF-45 ZR-MQ	29 max.	3.9±1.5	3.7±2.0	18.0±3.0			28 min.	1570	20	1260	10	44.0						
	KAF-39.5MR-MM	31 max.	3.6±1.5	3.7±2.0	17.3±3.0			27 min.	750	50	2200	10	36.5						
	KAF-38.9ZR-MJ	31 max.	3.3±1.5	4.0±2.0	17.0 ±3.0			30 min.	600	60	1700	12	36.0						
KAF-38.0MR-MH	32 max.	4.3±1.5	4.1±2.0	17.5±3.0	28 min.	640	63	1920	11	35.0									
KAF-37.0MR-ME	33 max.	5.0±1.5	4.0±2.0	10.0±3.0	25 min.	1120	44	2330	11	34.0									
KAF-36.9MR-MN	32 max.	3.3±1.5	3.9±2.0	18.0±3.0	28 min.	750	50	2300	10	34.5									
KAF-32.7MR-ME	33 max.	3.0±1.5	3.0±2.0	30 min.	30 min.	35 min.	25 min.	540	65	1630	13	35.0							
T V	KAF-58 MR-MK	27 max.	4.0±1.5	—	14.5±3.0	35 min.	35 min.	25 min.	380	45	1090	10	57.0				50 max.	Fig. A	Fig. B
	KAF-45 ZR-MP	31 max.	4.0±1.5	—	13.5±3.0				1540	19	1620	10	44.0						
	KAF-39.5MR-MD	33 max.	3.0±1.5	—	17.0±3.0				900	46	2000	12	37.0						
	KAF-38.9MR-MP	30 max.	4.5±1.5	—	13.0±3.0				670	58	1700	12	36.0						
	KAF-38.9MR-MK	28 max.	2.0±1.5	—	13.0±3.0 (33.4MHz) 11.0±3.0 (34.4MHz)				900	54	1950	12	36.0						
	KAF-38.0MR-MF	35 max.	4.0±1.5	—	8.0±3.0				660	42	2080	12	35.0						
	KAF-37.0MR-MD	36 max.	3.0±1.5	—	8.5±3.0				930	36	2100	13	34.0						
	KAF-36.9MR-MC	33 max.	4.5±1.5	—	13.5±3.0				690	48	2060	11	34.5						

Specifications (TV -VCR) - Video Intermediate Frequencies - In-Line Design

Part No.	Insertion Loss (dB)	Attenuation Level (dB)				Passband (MHz)	Stopband (MHz)	Response (dB)	Impedance					Maximum Temperature (ppm/°C)	Temp. Coef. of Frequency (ppm/°C)	Dimension	Test Circuit
		Passband Filter	Stopband Filter	Passband Filter	Stopband Filter				Input (Ω)	Input (Ω)	Output (Ω)	Output (Ω)					
KAF-58 MS-MM	22 max.	4.0±1.5	4.0±2.0	20.0±3.0	40 min.	40 min.	30 min.	850	22	630	11	57.0	50 max.	Fig. E	Fig. F		
KAF-45 MS-ML	26 max.	4.4±1.5	3.8±2.0	19.0±3.0			30 min.	920	14	390	50	44.0					
KAF-38.9 MS-MP	32 max.	4.3±1.5	5.4±2.0	13.0±3.0			28 min.	1100	46	2200	10	36.0					
KAF-38.0 MS-MH	32 max.	4.3±1.5	4.1±2.0	17.5±3.0			28 min.	640	63	1920	11	35.0					

Specifications (Hi-Fi TV-VCR) Video Intermediate Frequencies

Part No.	Insertion Loss (dB)	Attenuation Level (dB)				Passband (MHz)	Stopband (MHz)	Response (dB)	Impedance					Maximum Temperature (ppm/°C)	Temp. Coef. of Frequency (ppm/°C)	Dimension	Test Circuit
		Passband Filter	Stopband Filter	Passband Filter	Stopband Filter				Input (Ω)	Input (Ω)	Output (Ω)	Output (Ω)					
KAF-45MR-MW	Video	30 max.	4±1.5	4±2.0	25 min.	30 min.	35 min.	30 min.	790	39	960	12	44	50 max.	Fig. C	Fig. D	
	Sound	32 max.	2±1.5	20 min.	0 to 2.0												20 min.
KAF-38.9MR-MU	Video	31 max.	5±1.5	4±2.0	30 min.	30 min.	30 min.	1800	34	1320	16	36					
	Sound	35 max.	1.5±1.5	18 min.	1.5±2.0								20 min.				2660
KAF-32.7MR-MC	Video	36 max.	3±1.5	2±2.0	26 min.	35 min.	35 min.	30 min.	2030	28	1830	14	35				
Sound	23 max.	35 min.	35 min.	0 to 1.5	35 min.									530	12	39.2	

Specifications (Hi-Fi TV - VCR) Sound Intermediate Frequencies

Part No.	Insertion Loss (dB)	Attenuation Level (dB)		Passband (MHz)	Response (dB)	Temp. Coef. of Frequency (ppm/°C)	Dimension	Test Circuit
		Maximum Stopband	Maximum Passband					
KAF-54 PR-MA	18 max.	1±1.5	35 min.	27 min.	50 max.	Fig. A	Fig. B	
KAF-41 MR-MA	20 max.							
KAF-39.2MR-MA	19 max.	0±1.5		30 min.				