

PIEZO FILTERS SAW FILTERS FOR SET TOP BOX (CATV)



SAF Series

This series of saw filters is designed for TV/VCR applications. These filters are capable of passing 1) SIF and PIF, 2) SIF or 3) PIF. Saw filters are made up of zinc oxide on a glass substrate. Murata provides saw filters for a variety of television standards worldwide.

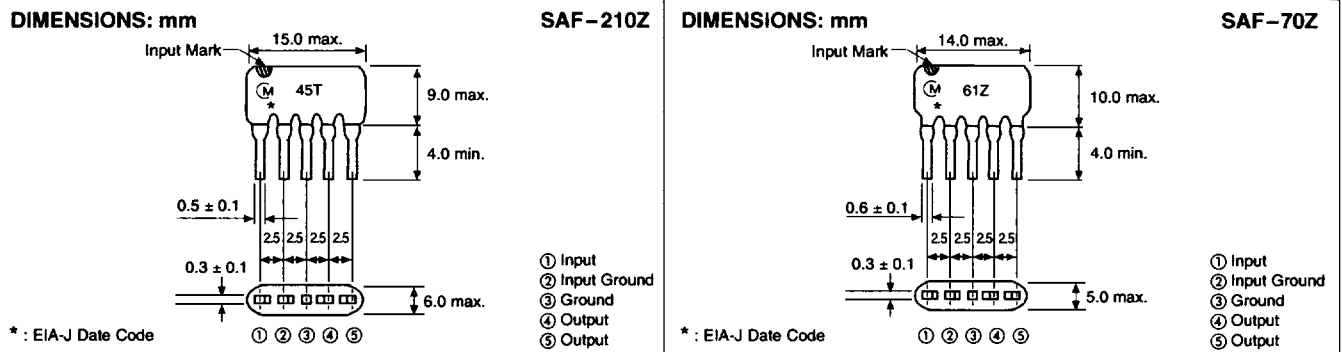


SPECIFICATIONS

SAF

Part Number	Insertion Loss (dB) max.	Flatness (dB) max.	Lower ch. Picture Carrier (dB) min.	Lower ch. Sound Carrier (dB) min.	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Upper ch. Picture Carrier (dB) min.	Spurious Response (dB) min.	Temperature Coefficient (ppm/°C)
SAF45MT210Z	23	2 ¹⁰	14	-	2 max.	2 max.	2 max.	30	27	-28 ± 20
SAF55MB70Z	21	2	35	8	0	0 ± 1	2 max.	35	26	-28 ± 20
SAF58MT71Z	22	2	14	8	2	2	2	30	27	-28 ± 20
SAF61MB210Z	20	1 ²	35	8	0	0 ± 1	2 max.	35	26 ⁶	-28 ± 20
SAF61MD210Z	23	2 ³	30 ⁴	8 ⁴	2 max. ⁴	2 max.	2 max.	14 ⁴	27	-28 ± 20
SAF61MZ72Z	22	-	30 ⁴	40 ⁴	5.5 ± 1.2 ⁴	5.0 ± 1.5 ⁴	20 ± 3 ⁴	40 ⁴	28	-28 ± 20
SAF67MB70Z	20	2	35	8	0	0 ± 1	2 max.	35	26	-28 ± 20

Note: SAF55MB70Z is full channel pass filter for channel 2. SAF61MB70Z is full channel pass filter for channel 3. SAF67MB70Z is full channel pass filter for channel 4. For channel 2 SAF59.8MA72Z, channel 3 SAF65.8MA72Z and channel 4 SAF71.8MA72Z is the Sound Intermediate Frequency (SIF).
 • SAF61MD70Z is a wide-band type. SAF61MZ72Z is for direct detection systems. * Reference Point. ¹61.25 - 64.83MHz. ²61.25 - 65.75MHz. ³Reference level (0dB) is the peak value. ⁴50-55.25MHz 67.25-78MHz ⁵0-55.25MHz 67.25-80MHz ⁶0-55.25MHz 68.25-80MHz ⁷0-59.75MHz 28: 67.25-80MHz ⁸41.25-45.75MHz



FREQUENCY CHARACTERISTICS

