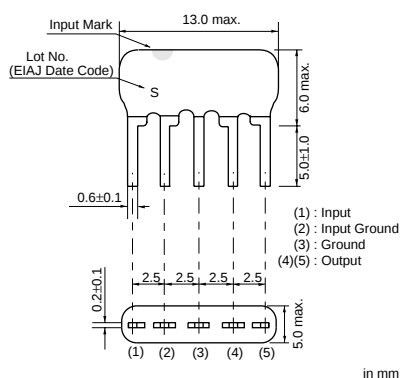


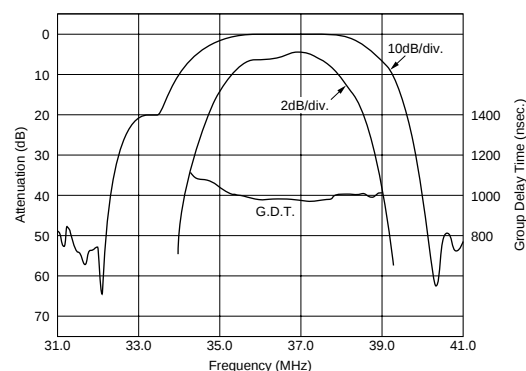
SAW Filters for TV/VCR

● For Color TV/VCR



in mm

Frequency Characteristics



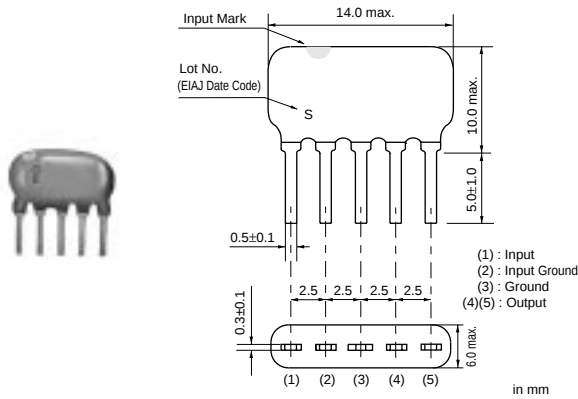
Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGB38M9VZ0Z00B03	24.0 max.	5.0 ±1.2	5.5 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0 to 31.90MHz]	30 min. [40.40 to 47.00MHz]
SAFGB39M5VZ0Z00B03	25.0 max.	5.0 ±1.2	5.0 ±1.5	22.0 ±3.0	40 min.	40 min.	30 min. [0 to 31.50MHz]	30 min. [41.50 to 47.00MHz]
SAFGB45M7VA0Z00B03	21.0 max.	4.0 ±1.2	4.5 ±1.5	18.0 ±3.0	40 min.	40 min.	30 min. [0 to 39.75MHz]	30 min. [47.25 to 56.00MHz]
SAFGB58M7VH0Z00B03	20.0 max.	4.2 ±1.2	4.2 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 70.00MHz]
SAFGK36M9VZ0Z00B03	25.0 max.	5.0 ±1.2	5.0 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0 to 29.875MHz]	30 min. [38.375 to 45.000MHz]
SAFGM38M0VK0Z00B03	21.5 max.	5.8 ±1.2	4.1 ±1.5	21.0 ±3.0	40 min.	40 min.	30 min. [0 to 30.00MHz]	30 min. [39.50 to 46.00MHz]
SAFGM39M5VZC00B03	25.0 max.	6.0 ±1.2	3.9 ±1.5	19.0 ±2.5	40 min.	40 min.	30 min. [0 to 31.50MHz]	30 min. [41.50 to 47.00MHz]
SAFGM45M7VBPZL0B03	14.5 max.	4.6 ±1.2	1.8 ±1.5	19.5 ±3.0	40.0 min.	40.0 min.	33.0 min. [0 to 39.75MHz]	33.0 min. [47.25 to 53.00MHz]
SAFGM45M7VFLZL0B03	14.5 max.	5.7 ±1.5	2.8 ±1.2	20.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 39.75MHz]	30.0 min. [47.25 to 56.00MHz]
SAFGN38M0VZ0Z00B03	27.0 max.	6.0 ±1.5	6.6 ±1.5	25.0 ±3.0	40 min.	40 min.	30 min. [0 to 30.00MHz]	30 min. [39.50 to 47.00MHz]
SAFGN38M0VZEZ00B03	25.0 max.	4.8 ±1.2	3.8 ±1.3	17.5 ±3.0	40 min.	40 min.	30 min. [0 to 30.00MHz]	30 min. [39.50 to 47.00MHz]
SAFGN38M9VZ0Z00B03	24.0 max.	5.0 ±1.2	5.8 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0 to 31.90MHz]	30 min. [40.40 to 47.00MHz]
SAFGN39M5VZ0Z00B03	25.0 max.	5.0 ±1.2	4.5 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0 to 31.50MHz]	30 min. [41.50 to 47.00MHz]
SAFGN45M7VA0Z00B03	21.0 max.	4.0 ±1.2	4.5 ±1.5	18.0 ±3.0	40 min.	40 min.	30 min. [0 to 39.75MHz]	30 min. [47.25 to 56.00MHz]
SAFGN58M7VH0Z00B03	21.0 max.	4.2 ±1.2	4.2 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 70.00MHz]
SAFGB32M7VZ0Z00B03	25.0 max.	6.5 ±1.5	1.0 ±1.0	38.0 min.	40 min.	35 min.	30 min. [0 to 31.20MHz]	30 min. [39.20 to 47.00MHz]
SAFGM38M9VVBZ00B03	24.0 max.	4.5 ±1.2	4.8 ±1.5	25.0 min.	40 min.	40 min.	30 min. [0 to 31.90MHz]	30 min. [40.40 to 47.00MHz]
SAFGM45M7VVGZ00B03	23.0 max.	3.0 ±1.0	3.3 ±1.0	25.0 min.	40 min.	40 min.	30 min. [0 to 39.75MHz]	29 min. [47.25 to 56.00MHz]
SAFGM58M7VVBZ00B03	20.0 max.	4.5 ±1.2	4.5 ±1.5	25.0 min.	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 70.00MHz]

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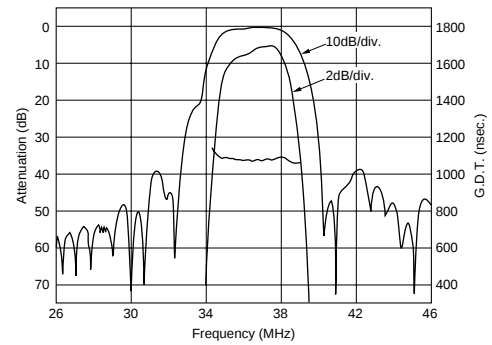
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Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGN32M7VZ0Z00B03	26.0 max.	6.5 ±1.5	2.0 max.	38.0 min.	40.0 min.	35.0 min.	30.0 min. [0 to 31.20MHz]	30.0 min. [39.20 to 47.00MHz]
SAFGN38M9VVEZ00B03	23.0 max.	4.5 ±1.2	4.7 ±1.5	25.0 min.	42 min.	45 min.	35 min. [0 to 31.90MHz]	33 min. [40.40 to 47.00MHz]

● For Compliance with FTZ Regulations (Germany)

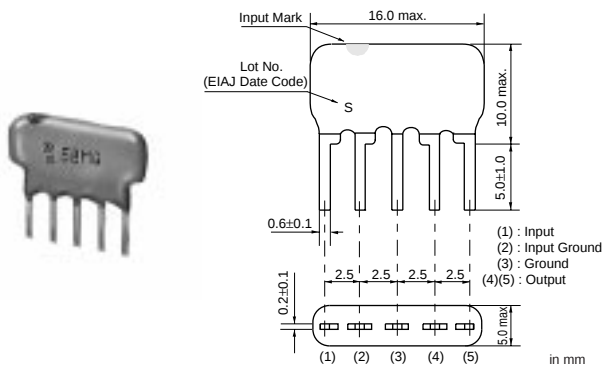


Frequency Characteristics

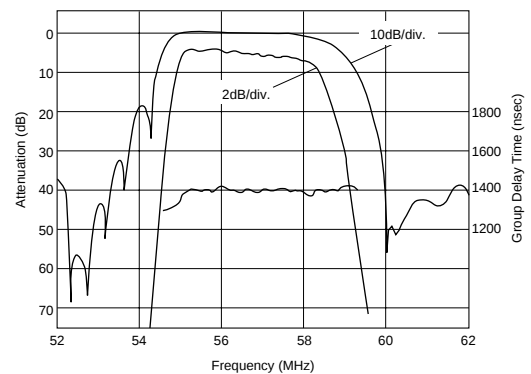


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGK38M9VZRZ00B03	24.0 max.	4.5 ±1.2	4.5 ±1.5	22.0 ±3.0	40 min.	40 min.	30 min. [0 to 31.90MHz]	30 min. [40.40 to 47.00MHz]
SAFGM38M9VZHZ05B03	23.5 max.	4.5 ±1.2	4.7 ±1.0	19.5 ±2.0	42 min.	45 min.	32 min. [0 to 30.90MHz]	37 min. [40.40 to 47.00MHz]
SAFGM38M9VZRZ00B03	24.0 max.	4.7 ±1.2	4.5 ±1.5	22.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 31.90MHz]	30.0 min. [40.40 to 47.00MHz]
SAFGN38M9VZWZ00B03	22.5 max.	4.5 ±1.2	3.1 ±1.0	17.5 ±3.0	43 min.	36 min.	33 min. [0 to 31.40MHz]	33 min. [41.40 to 47.00MHz]
SAFGN39M5VZ0Z05B03	24.0 max.	5.0 ±1.0	4.5 ±1.0	20.5 ±2.0	44 min.	45 min.	40 min. [0 to 31.50MHz]	34 min. [41.50 to 47.00MHz]

● For High Picture Level (Broad Band Type)

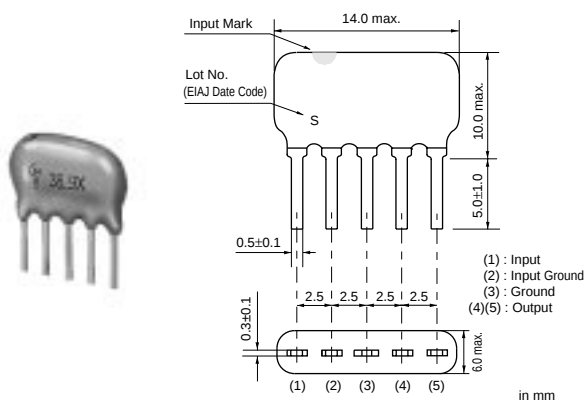


Frequency Characteristics

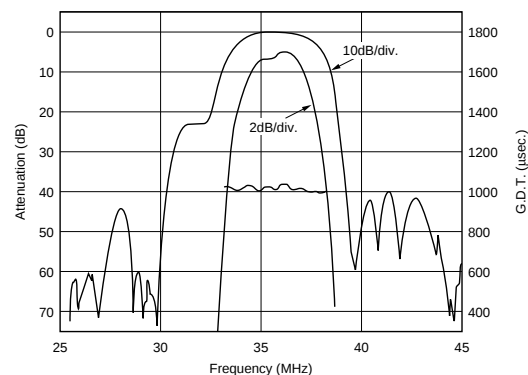


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGH58M7VVGZ00B03	23.0 max.	4.8 ±1.2	1.0 max.	20.0 min.	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 70.00MHz]
SAFGK45M7VVEZ00B03	23.0 max.	5.0 ±1.2	1.2 max.	20.0 min.	40 min.	40 min.	30 min. [0 to 39.75MHz]	28 min. [47.25 to 56.00MHz]
SAFGK58M7VVGZ00B03	23.0 max.	4.8 ±1.2	1.0 max.	20.0 min.	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 70.00MHz]

● For Multi-system TV/VCR

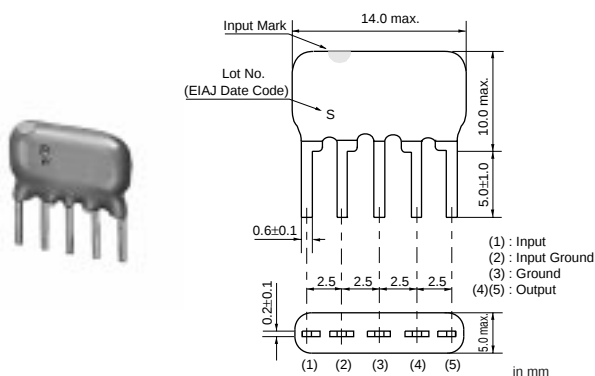


Frequency Characteristics

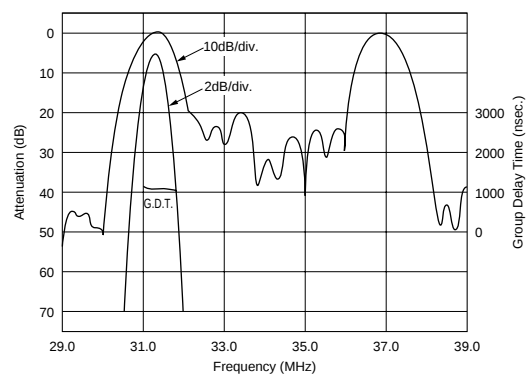


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGK38M0VZJZ00B03	29.0 max.	5.1 ±1.2	4.2 ±1.5	22.0 ±3.0	40 min.	40 min.	30 min. [0 to 30.00MHz]	30 min. [39.50 to 47.00MHz]
SAFGM38M0VZJZ00B03	25.5 max.	4.6 ±1.2	3.4 ±1.3	19.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 30.00MHz]	30.0 min. [39.50 to 45.00MHz]
SAFGM38M9VZ0Z00B03	26.0 max.	5.0 ±1.2	3.4 ±1.0	18.0 ±3.0	40 min.	35 min.	30 min. [0 to 31.90MHz]	30 min. [40.40 to 47.00MHz]
SAFGM38M9VZAZ00B03	25.0 max.	4.5 ±1.3	4.5 ±1.3	16.5 ±3.0	40 min.	40 min.	30 min. [0 to 30.90MHz]	30 min. [40.40 to 47.00MHz]
SAFGM38M9VZCZ00B03	26.0 max.	3.7 ±1.3	4.3 ±1.3	15.5 ±3.0	40 min.	40 min.	30 min. [0 to 30.90MHz]	30 min. [40.40 to 47.00MHz]

● For TV/VCR SIF



Frequency Characteristics



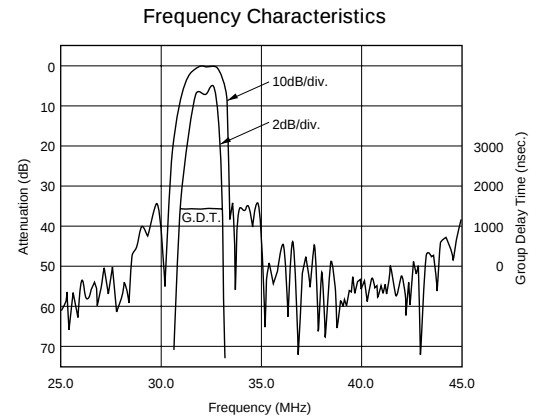
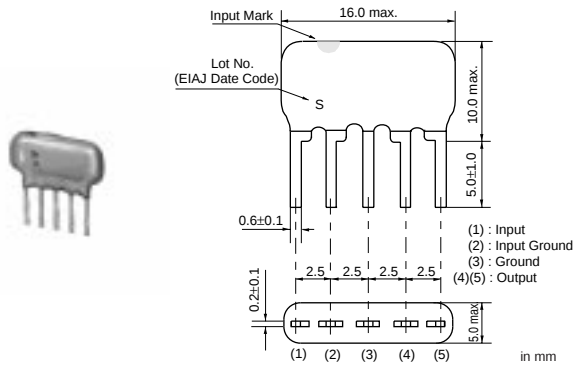
Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGH31M4VD0Z00B03	28.0 max.	0 ±3.0	15.0 min.	-	35 min.	35 min.	30 min. [0 to 29.875MHz]	30 min. [38.375 to 47.00MHz]
SAFGH32M9VDEZ00B03	25.0 max.	4.3 ±3.0	15.0 min.	-	35 min.	25 min.	22 min. [0 to 31.50MHz]	30 min. [41.50 to 50.00MHz]
SAFGH33M0VDAZ00B03	26.0 max.	5.0 ±0.3	12.0 min.	-	26 min.	20 min.	15 min. [0 to 31.90MHz]	22 min. [40.40 to 50.00MHz]
SAFGM33M4VD0Z00B03	20.0 max.	0 ±3.0	20.0 min.	-	35 min.	35 min.	30 min. [0 to 31.90MHz]	30 min. [40.40 to 50.00MHz]
SAFGM41M2VD0Z00B03	17.0 max.	0.0 ±3.0	20.0 min.	-	35 min.	35 min.	30 min. [0 to 39.75MHz]	30 min. [47.75 to 55.00MHz]
SAFGM54M2VD0Z00B03	20.0 max.	0.0 ±3.0	20.0 min.	-	35 min.	30 min.	28 min. [0 to 52.75MHz]	28 min. [60.25 to 70.00MHz]
SAFGN33M0VDAZ00B03	27.5 max.	5.0 ±3.0	12.0 min.	3.0 ±3.0	26.0 min.	20.0 min.	15.0 min. [0 to 31.90MHz]	22.0 min. [40.40 to 50.00MHz]

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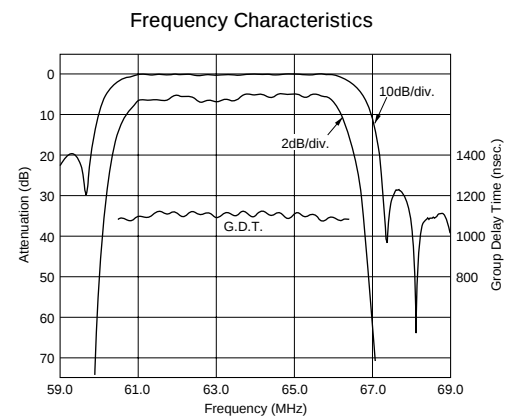
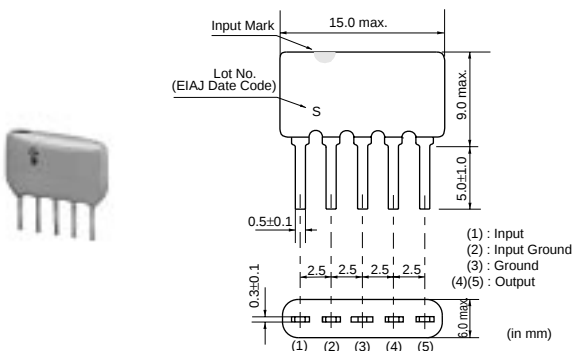
Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGH39M2VC0Z00B03	19.0 max.	40.0 min.	35.0 min.	-	40.0 min.	30.0 min.	30.0 min. [0 to 31.20MHz]	30.0 min. [40.70 to 50.00MHz]
SAFGM33M4VC0Z00B03	20.0 max.	40.0 min.	20.0 min.	-	40 min.	35 min.	30 min. [0 to 31.90MHz]	30 min. [40.40 to 47.00MHz]
SAFGM41M2VC0Z00B03	17.0 max.	40.0 min.	17.0 min.	-	40 min.	37 min.	28 min. [0 to 39.75MHz]	30 min. [43.75 to 56.00MHz]
SAFGM54M2VC0Z00B03	16.0 max.	40.0 min.	17.0 min.	-	40 min.	37 min.	28 min. [0 to 52.75MHz]	30 min. [56.75 to 70.00MHz]

● For Multi-system TV/VCR SIF



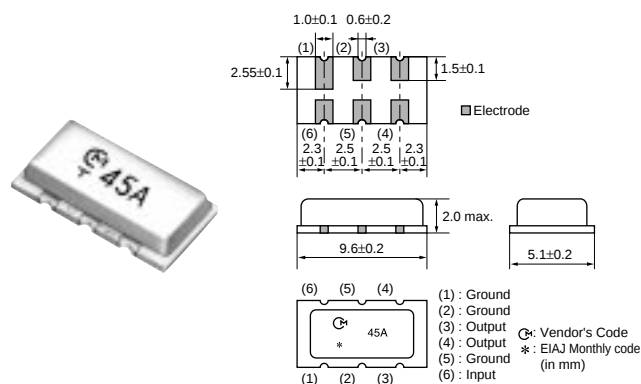
Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGH32M0VCAZ00B03	26.0 max.	35.0 min.	25.0 min.	3.0 max.	40 min.	35 min.	30 min. [0 to 30.00MHz]	22 min. [33.57 to 42.00MHz]
SAFGH32M9VCAZ00B03	25.0 max.	35.0 min.	25.0 min.	3.0 max.	40 min.	35 min.	30 min. [0 to 30.90MHz]	22 min. [34.47 to 42.00MHz]
SAFGH33M4VCDZ00B03	29.0 max.	30.0 min.	20.0 min.	2.0 max.	30 min.	28 min.	25 min. [0 to 30.90MHz]	30 min. [40.40 to 46.00MHz]
SAFGM33M4VCBZ00B03	30.0 max.	30.0 min.	14.0 min.	3.0 max.	30 min.	35 min.	25 min. [0 to 30.90MHz]	25 min. [40.40 to 46.00MHz]
SAFGM33M4VCDZ00B03	32.0 max.	30.0 min.	20.0 min.	2.0 max.	30.0 min.	28.0 min.	25.0 min. [0 to 30.90MHz]	30.0 min. [40.40 to 46.00MHz]

● For CATV

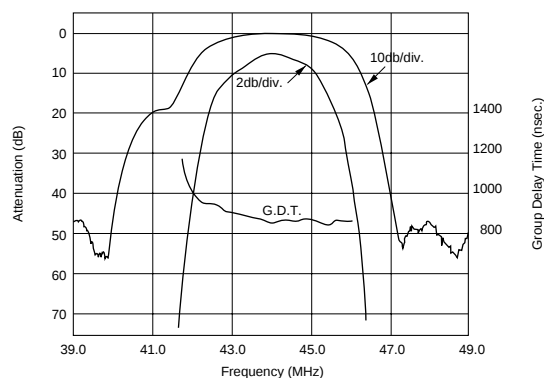


Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFGB61M2VD0Z00B03	22.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27 min. [0 to 55.25MHz]	27 min. [68.25 to 80.00MHz]
SAFGH45M7VT0Z00B03	23.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27 min. [0 to 38.75MHz]	27 min. [51.75 to 57.00MHz]
SAFGH58M7VT0Z01B03	22.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27 min. [0 to 51.75MHz]	27 min. [64.75 to 70.00MHz]
SAFGH61M2VZ0Z02B03	22.0 max.	5.5 ±1.2	5.5 ±1.5	20.0 ±3.0	40 min.	40 min.	30 min. [0 to 59.75MHz]	28 min. [67.25 to 80.00MHz]
SAFGH65M7VA0Z02B03	18.0 max.	-	-	-	-	-	20 min. [0 to 64.70MHz]	20 min. [66.80 to 100.00MHz]
SAFGM65M7VA0Z00B03	18.5 max.	-	-	-	-	-	20.0 min. [0 to 64.70MHz]	20.0 min. [66.80 to 100.00MHz]
SAFGN45M7VT0Z00B03	23.0 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27.0 min. [0 to 38.50MHz]	27.0 min. [51.75 to 57.00MHz]
SAFGN58M7VT0Z00B03	22.5 max.	2.0 max.	2.0 max.	2.0 max.	-	-	27.0 min. [0 to 51.75MHz]	27.0 min. [64.75 to 70.00MHz]
SAFGN61M2VB0Z00B03	20.0 max.	-	0.0 ±1.0	2.0 max.	-	-	26 min. [0 to 55.25MHz]	26 min. [67.25 to 80.00MHz]
SAFGN58M7VHAZ00B03	22.0 max.	4.0 ±1.2	4.4 ±1.5	17.5 ±2.5	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 72.00MHz]

● Chip Type



Frequency Characteristics



Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFJA45M7VA0Z00R03	22.5 max.	4.5 ±1.2	4.8 ±1.5	19.0 ±3.0	35 min.	40 min.	30 min. [0 to 39.75MHz]	30 min. [47.25 to 56.00MHz]
SAFJA58M7VBPZ00R03	21.0 max.	4.0 ±1.2	1.8 ±1.0	19.5 ±3.0	40.0 min.	43.0 min.	30.0 min. [0 to 52.75MHz]	25.0 min. [60.25 to 70.00MHz]
SAFJA58M7VH0Z00R03	17.5 max.	4.2 ±1.2	4.2 ±1.5	21.0 ±3.0	40.0 min.	40.0 min.	30.0 min. [0 to 52.75MHz]	30.0 min. [60.25 to 70.00MHz]
SAFJA41M2VD0Z00R03	18.0 max.	0.0 ±3.0	18.0 min.	-	35.0 min.	35.0 min.	30.0 min. [0 to 39.75MHz]	30.0 min. [47.25 to 55.00MHz]
SAFJA54M7VD0Z00R03	21.0 max.	0.0 ±3.0	18.0 min.	-	33.0 min.	33.0 min.	28.0 min. [0 to 52.75MHz]	28.0 min. [60.25 to 70.00MHz]
SAFJA33M4VCBZ00R03	30.0 max.	30.0 min.	14.0 min.	-	30.0 min.	35.0 min.	25.0 min. [0 to 30.90MHz]	25.0 min. [40.40 to 46.00MHz]
SAFJA41M2VC0Z00R03	16.0 max.	40.0 min.	17.0 min.	-	40.0 min.	37.0 min.	28.0 min. [0 to 39.75MHz]	28.0 min. [43.75 to 56.00MHz]
SAFJA54M2VC0Z00R03	16.0 max.	40 min.	17 min.	-	40 min.	37 min.	28 min. [0 to 52.75MHz]	30 min. [56.75 to 70.00MHz]

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Part Number	Insertion Loss (dB)	Picture Carrier (dB)	Chroma Carrier (dB)	Sound Carrier (dB)	Adjacent Sound Carrier (dB)	Adjacent Picture Carrier (dB)	Spurious Response (1) (dB)	Spurious Response (2) (dB)
SAFJA38M9VVBZ00R03	24.0 max.	4.5 ±1.2	4.5 ±1.5	20.0 min.	35.0 min.	35.0 min.	30.0 min. [0 to 31.90MHz]	30.0 min. [40.40 to 47.00MHz]
SAFJA45M7VVBZ00R03	22.0 max.	4.5 ±1.2	4.7 ±1.5	25 min.	40 min.	40 min.	30 min. [0 to 39.75MHz]	30 min. [47.25 to 56.00MHz]
SAFJA58M7VVBZ00R03	20.5 max.	4.0 ±1.2	5.0 ±1.5	25 min.	40 min.	40 min.	30 min. [0 to 52.75MHz]	30 min. [60.25 to 72.00MHz]