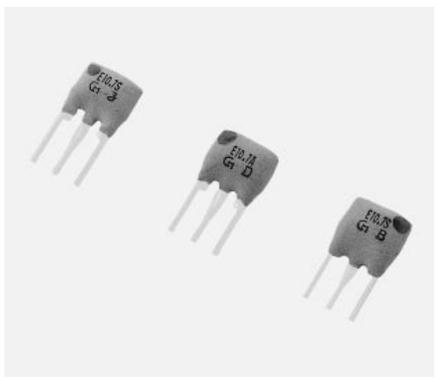


FILTERS

FOR FM APPLICATIONS—LOW LOSS, HIGHLY SELECTIVE, MINIATURE—SFE MA/MS/MJ/MH 10.7MHz



The standard SFE 10.7 line of ceramic filters are extremely reliable devices that exhibit excellent waveform symmetry. These filters have traditionally found wide application in FM receiver technology.

FEATURES

- These miniature filters have high mechanical strength.
- Low loss, favorable waveform symmetry, and high selectivity
- Various band widths are available for

- applications in wide to narrow bands.
- Small dispersion and stable characteristics.
- Change in center frequency is typically within $\pm 30\text{ppm}/^\circ\text{C}$ at $-20 \sim +80^\circ\text{C}$.
- High reliability

DIMENSIONS: mm

STANDARD SERIES	A10 SERIES Low Loss	C10 SERIES Low Profile	TEST CIRCUIT
			<p> $R_g + R_1 = R_2 = 330\Omega \pm 5\%$ $C = 10\text{pF}$ (including stray capacitance and input capacitance of RF Voltmeter) </p> <p> ① INPUT ② GROUND ③ OUTPUT </p>

SPECIFICATIONS

SFE A10/B10/C10 SERIES

	Part Number	3dB Bandwidth (kHz)	20dB Bandwidth (kHz) max.	Ripple (dB) max.	Insertion Loss (dB) max.	Spurious (9~12MHz) (dB) min.
FM-IF	SFE10.7MA5-A	280 ± 50	650 (520)	1	6 (4)	30 (43)
	SFE10.7MS2-A	230 ± 50	600 (420)	1	6 (4)	40 (45)
	SFE10.7MS3-A	180 ± 40	520 (380)	1	7 (4.5)	40 (45)
• Input/output impedance: 330Ω () Typical value						
A10 Series	SFE10.7MA5A10-A	280 ± 50	590 (480)	1	2.5 ± 2.0	30 (42)
	SFE10.7MS2A10-A	230 ± 40	520 (410)	1	3.0 ± 2.0	35 (42)
	SFE10.7MS3A10-A	180 ± 40	470 (370)	1	3.5 ± 1.5	35 (42)
	SFE10.7MJA10-A	150 ± 40	360 (300)	1	4.5 ± 2.0	35 (42)
• Input/output impedance: 330Ω • Low loss and high selectivity. () Typical value						
B10 Series	SFE10.7MA5B10-A	280 ± 50	650	1	3.0 ± 2.0	45
	SFE10.7MS2B10-A	230 ± 50	570	1	3.0 ± 2.0	45
	SFE10.7MS3B10-A	180 ± 40	520	1	5.0 ± 2.0	45
• Input/output impedance: 330Ω • High attenuation type						
C10 Series	SFE10.7MA5C10-A	280 ± 50	650 (540)	1	3.0 ± 2.0	30 (47)
	SFE10.7MS2C10-A	230 ± 50	570 (470)	1	3.0 ± 2.0	40 (49)
	SFE10.7MS3C10-A	180 ± 40	470 (360)	1	3.5 ± 2.0	35 (47)
	SFE10.7MJC10-A	150 ± 40	360 (300)	1	4.5 ± 2.0	35 (42)
	SFE10.7MHC10-A	110 ± 30	350 (260)	1	7.0 ± 2.0	30 (38)
• Input/output impedance: 330Ω • Most suitable for a thin type and low profile set. • The performance is the same as that of conventional types. () Typical value						

PART NUMBERING SYSTEM



*Applicable in North American market only. *Applicable in European market only.
 For more detailed information regarding this product line in North America, see Catalog No. P-05-D. To receive additional information on Murata Products call 1-800-831-9172.
 For more detailed information regarding this product line in Europe, see Catalog No. P61E-4.

FILTERS