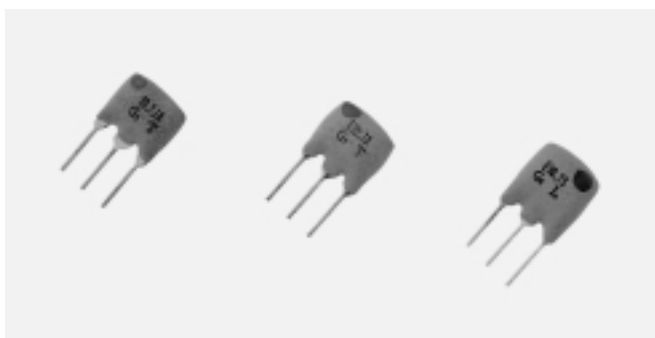


PIEZO FILTERS

CERAMIC FILTERS LOW LOSS, WIDE OR NARROW BAND, MINIATURE

SFE MA/MTE/MVE/MFP 10.7MHz



The following filters were developed to offer both narrower and wider bandwidth characteristics for use in products such as DBS receivers. These filters also retain the same reliability that is available with our standard filters. The various bandwidths allow these filters to be utilized in a multitude of new communication applications.

SPECIFICATIONS

SFE MX/MA8/ML 10.7MHz

	Part Number	3dB Bandwidth (kHz)	20dB Bandwidth (kHz) max.	Ripple Within 3dB Bandwidth (dB)	Insertion Loss (dB) max.	Spurious (9 ~ 12MHz) (dB) min.
Wide Bandwidth Series	SFE10.7MA19	350 min. (450)	950 (750)	3 max.	3 ± 2	20 (30)
	SFE10.7MA20-A	330 ± 50	680 (615)	1 max.	4 ± 2	30 (40)
	SFE10.7MA21	400 (500)	950 (750)	3 max.	3 ± 2	20 (30)
	SFE10.7MHY-A	110 ± 30	350 (260)	1 max.	7 ± 2	30 (42)
Narrow Bandwidth Series	SFE10.7MTE	±25 (82)	200 (160)	1 max.	5.5 ± 2.5	30 (48)
	SFE10.7MVE	±13 (56)	135 (110)	1 max.	5.5 ± 2.0	30 (41)
	SFE10.7MFP	±20 (36)	95 (77)	1 max.	6.0 (2.5)	24 (28)

- Input/output impedance: 330Ω (MA20-A, MHY-A), 470Ω (MA19)
- Center frequency 10.52MHz types of SFE10.7MHY-A is also available.

() Typ. value

- Input/output impedance: 330 (MT, MV), 600Ω (MFP)
- Spurious range of SFE10.7MFP: 10.7 ± 1MHz.

() Typ. value

MA19 Series

○ : EIA-J Date Code

MTE Series

○ : EIA-J Date Code

MVE Series

○ : EIA-J Date Code

MFP Series

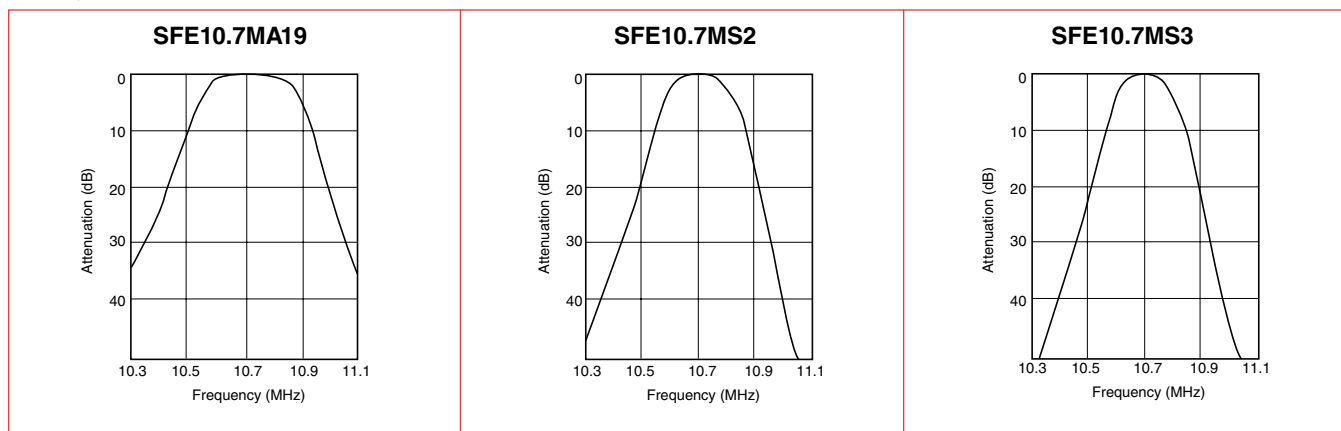
○ : EIA-J Date Code

CIRCUIT

Rg+R₁=R₂=Input/Output Impedance
C=10pF
(including stray capacitance and input capacitance of RF Voltmeter)

1=INPUT
2=GROUND
3=OUTPUT

FREQUENCY CHARACTERISTICS



*Available as standard through authorized Murata Electronics Distributors.

PIEZO FILTERS