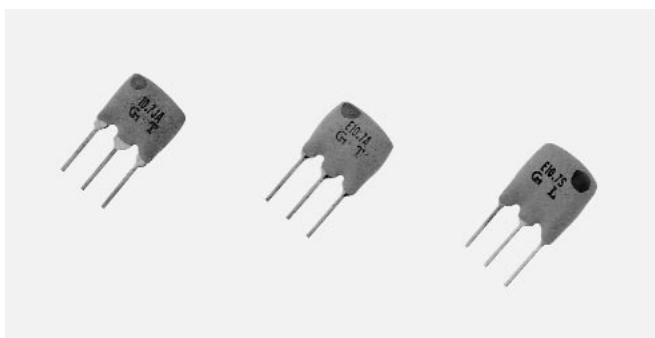


# CERAMIC FILTERS

## LOW LOSS, WIDE OR NARROW BAND, MINIATURE

### SFE MA/MT/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)

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

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: 330 (MT, MV), 600Ω (MFP) ( ) Typ. value
- Spurious range of SFE10.7MFP: 10.7 ± 1MHz.

#### MA19 Series

○ : EIA-J Date Code

#### MTE Series

○ : EIA-J Date Code

#### MVE Series

○ : EIA-J Date Code

#### MFP Series

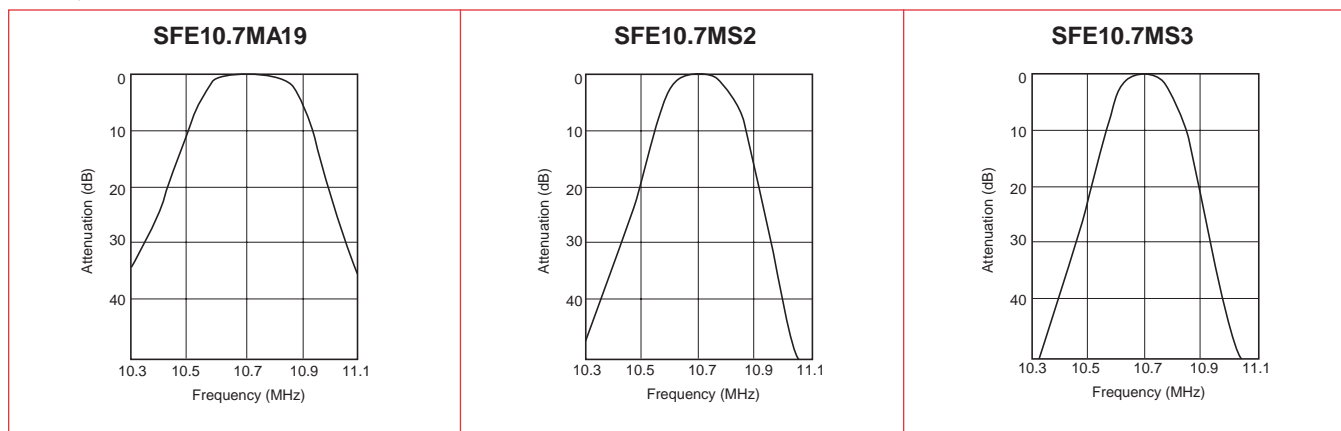
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#### CIRCUIT

Rg+R<sub>1</sub>=R<sub>2</sub>=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.