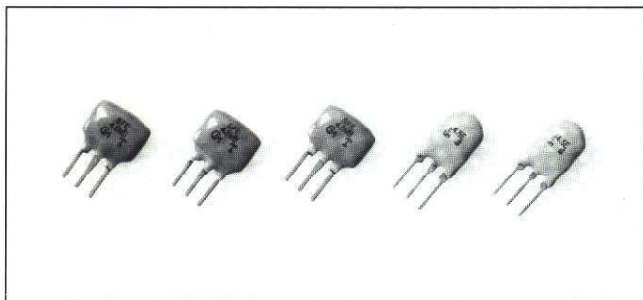


# HIGHLY ACCURATE, TV/VCR TYPE CERAMIC FILTERS

**muRata ERIE**

## SFE/SFS 3.58-6.5 MHz

The SFE/SFS lines of ceramic filters are high quality devices designed to address the TV/VCR/CATV/DBS markets. The SFE/SFS lines are utilized as IF filters in virtually every type of technology currently used in the television industry.



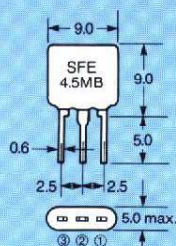
### SPECIFICATIONS

### SFE 3.58-6.5 MHz

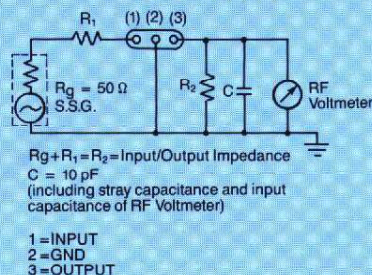
| Part Number | Nominal Frequency | 3dB Bandwidth (KHz) min. | 20dB Bandwidth (KHz) max. | Insertion Loss (dB) max. | Stop Band Attenuation (dB) min. | Input/Output Matching Imp. |
|-------------|-------------------|--------------------------|---------------------------|--------------------------|---------------------------------|----------------------------|
| SFE3.58MBF  | 3.58MHz           | $\pm 40 (\pm 80)$        | 530 (370)                 | 10 (5)                   | 17 (Within $3.58 \pm 0.5$ MHz)  | 1 K $\Omega$               |
| SFE4.5MBF   | 4.5MHz            | $\pm 60 (\pm 105)$       | 530 (420)                 | 6 (4)                    | 20 (Within $4.5 \pm 0.8$ MHz)   | 1 K $\Omega$               |
| SFE5.5MBF   | 5.5MHz            | $\pm 75 (\pm 120)$       | 550 (470)                 | 6 (3)                    | 25 (Within $5.5 \pm 1.0$ MHz)   | 600 $\Omega$               |
| SFE6.0MBF   | 6.0MHz            | $\pm 80 (\pm 130)$       | 600 (500)                 | 6 (2.5)                  | 25 (Within $6.0 \pm 1.0$ MHz)   | 470 $\Omega$               |
| SFE6.5MBF   | 6.5MHz            | $\pm 80 (\pm 130)$       | 630 (530)                 | 6 (2.5)                  | 25 (Within $6.5 \pm 1.0$ MHz)   | 470 $\Omega$               |

( ) Typ. value

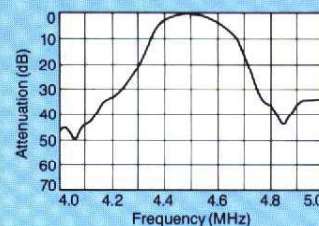
#### DIMENSIONS (mm)



#### CIRCUIT



#### CHARACTERISTICS



### SPECIFICATIONS

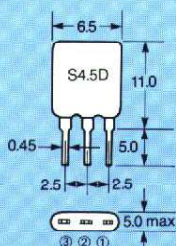
### SFS 4.5 MHz

| Part Number | Nominal Center Frequency | 3dB Bandwidth (KHz) min. | 20dB Bandwidth (KHz) max. | Insertion Loss (dB) max. | Stop Band Attenuation (dB) min. | Input/Output Matching Imp. |
|-------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------------|----------------------------|
| SFS4.5MC    | 4.5MHz                   | $\pm 60 (\pm 110)$       | 600 (420)                 | 6 (3.5)                  | 30 (0 to 4.5MHz)                | 1 K $\Omega$               |
| SFS4.5MD    | 4.5MHz                   | $\pm 70 (\pm 140)$       | 750 (530)                 | 6 (2.8)                  | 30 (0 to 4.5MHz)                | 1 K $\Omega$               |
| SFS4.5ME2   | 4.5MHz                   | $\pm 110 (\pm 160)$      | 750 (700)                 | 6 (3.5)                  | 30 (0 to 4.5MHz)                | 600 $\Omega$               |

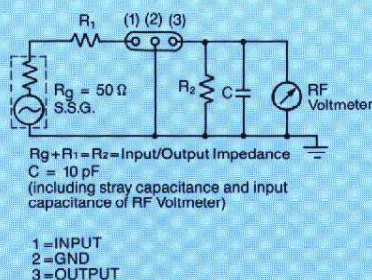
5.5, 6.0 6.5KHz types are also available.

( ) Typ. value

#### DIMENSIONS (mm)



#### CIRCUIT



#### CHARACTERISTICS

