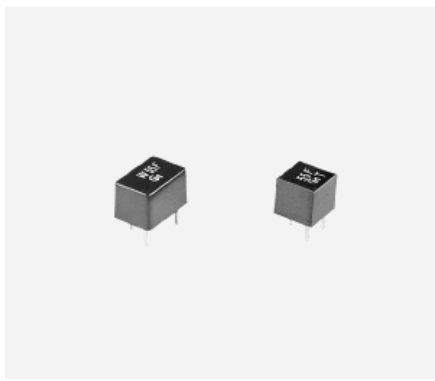


FILTERS FOR COMMUNICATIONS EQUIPMENT

MINIATURE, G.D.T. FLAT TYPE

CFUM/CFWM455□Y SERIES



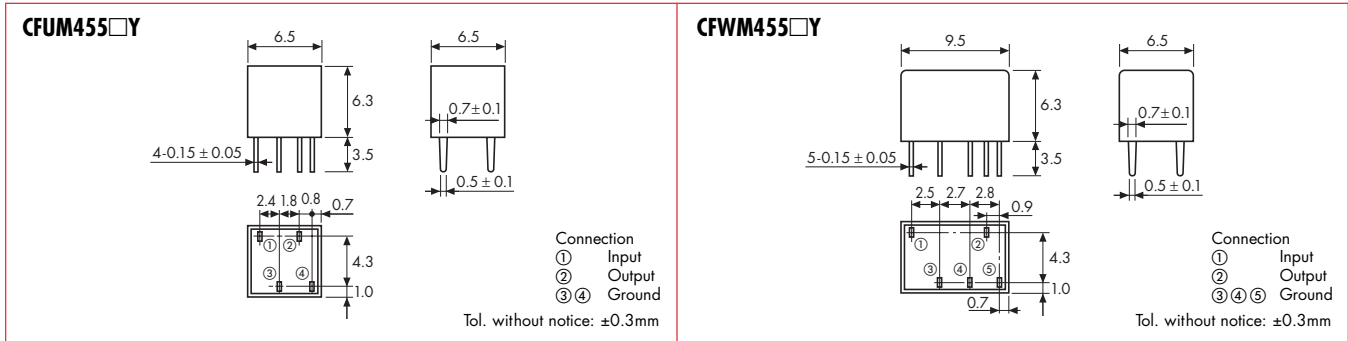
Ceramic filter CFUM/CFWM455□Y Series are miniature and high-performance filters. These filters, while only 6.3mm high, are 60% the volume of conventional types (CFUS/CFWS Series). Well suited for miniaturizing the communications equipment, especially for a cellular phone.

- Operating temperature range: -20°C to +80°C
- Storage temperature range: -40°C to +85°C
- Available for 450kHz and 455kHz

FEATURES

- Miniature, flat G.D.T. characteristics
- Suitable for a cellular phone
- A variety of bandwidths are available.

DIMENSIONS: mm

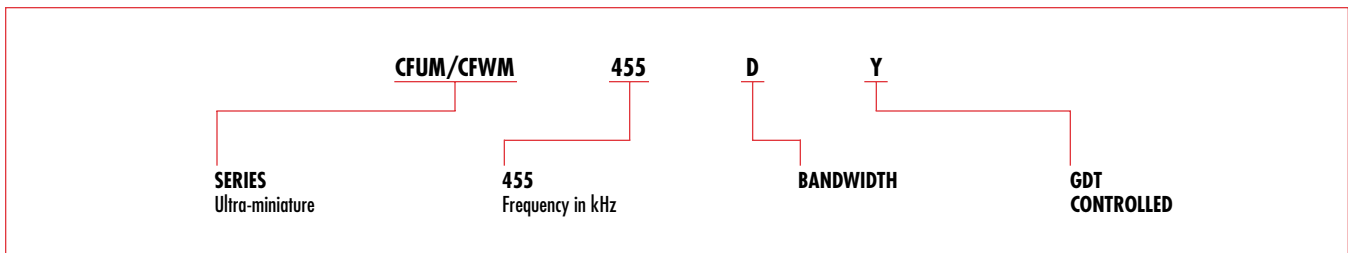


SPECIFICATIONS

| Part Number | Nominal Center Frequency (kHz) | 6dB Bandwidth (kHz) min. | 40dB Bandwidth (kHz) max. | Attenuation 455±100kHz (dB) min. | Insertion Loss (dB) max. | Input/Output Impedance (Ω) | G.D.T. Deviation (μsec.) |
|-------------|--------------------------------|--------------------------|---------------------------|----------------------------------|--------------------------|----------------------------|--------------------------|
| CFUM455BY | 455 ± 1.5 | ±15 | ±35 | 25 | 5 | 1500 | [15] (±10kHz) |
| CFUM455CY | 455 ± 1.5 | ±12.5 | ±30 | 25 | 6 | 1500 | [15] (±8kHz) |
| CFUM455DY | 455 ± 1.0 | ±10 | ±25 | 23 | 7 | 1500 | [20] (±7kHz) |
| CFUM455EY | 455 ± 1.0 | ±7.5 | ±20 | 23 | 8 | 1500 | [20] (±5kHz) |
| CFUM455FY | 455 ± 1.0 | ±6 | ±17.5 | 23 | 9 | 2000 | [20] (±4kHz) |
| CFUM455GY | 455 ± 1.0 | ±4.5 | ±15 | 23 | 10 | 2000 | [20] (±3kHz) |
| Part Number | Nominal Center Frequency (kHz) | 6dB Bandwidth (kHz) min. | 50dB Bandwidth (kHz) max. | Attenuation 455±100kHz (dB) min. | Insertion Loss (dB) max. | Input/Output Impedance (Ω) | G.D.T. Deviation (μsec.) |
| CFWM455BY | 455 ± 1.5 | ±15 | ±35 | 35 | 6 | 1500 | [30] (±10kHz) |
| CFWM455CY | 455 ± 1.5 | ±12.5 | ±30 | 35 | 7 | 1500 | [30] (±8kHz) |
| CFWM455DY | 455 ± 1.0 | ±10 | ±25 | 35 | 8 | 1500 | [30] (±7kHz) |
| CFWM455EY | 455 ± 1.0 | ±7.5 | ±20 | 35 | 9 | 1500 | [30] (±5kHz) |
| CFWM455FY | 455 ± 1.0 | ±6 | ±17.5 | 35 | 10 | 2000 | [40] (±4kHz) |
| CFWM455GY | 455 ± 1.0 | ±4.5 | ±15 | 35 | 13 | 2000 | [40] (±3kHz) |

- CFUM455□Y series filters are 4-element ceramic filters and miniature type of CFUS455□Y series.
- CFWM455□Y series filters are 6-element ceramic filters and miniature type of CFWS455□Y series.

PART NUMBERING SYSTEM



* Available as standard through authorized Murata Electronics Distributors. * 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. P05E-8.