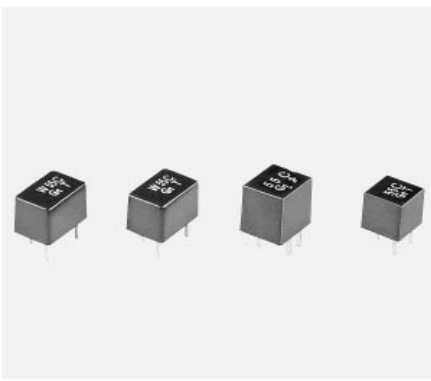


# FILTERS FOR COMMUNICATIONS EQUIPMENT

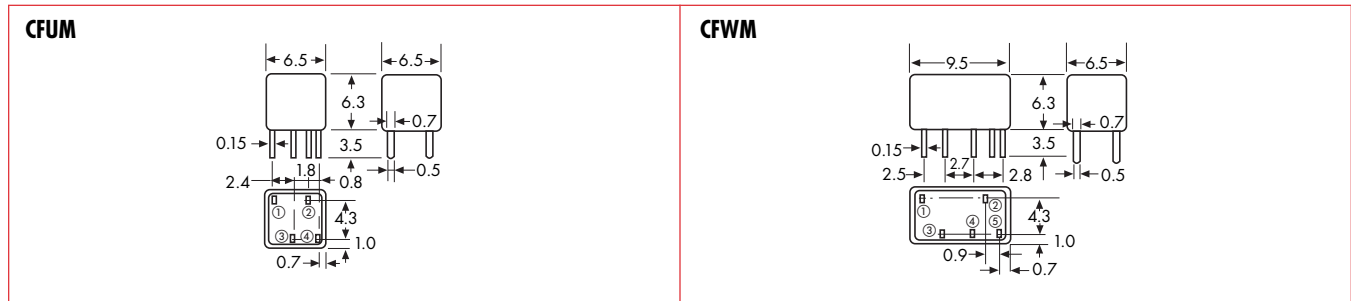
## RESIN MOLDED—HIGHLY SELECTIVE

### CFUM/CFWM 450/455kHz SERIES



The CFUM and CFWM lines of ceramic filters are miniaturized versions of the CFU/CFWS lines. These ultra-miniature versions consume approximately 40% less volume while still offering the same high performance filter characteristics available with the CFU/CFWS lines. They are available in 450kHz and 455kHz versions.

#### DIMENSIONS: mm

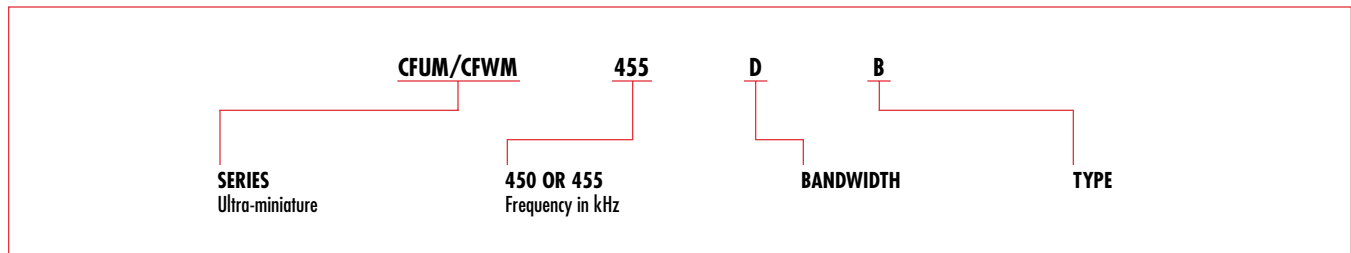


#### SPECIFICATIONS

Part Number	Nominal Center Frequency (kHz)	6dB Bandwidth (kHz) min.	40dB Bandwidth (kHz) max.	Attenuation 455±100kHz (dB) min.	Ripple (dB) max. kHz	Insertion Loss (dB) max.	Input/Output Impedance (Ω)
*CFUM455B	455	±15	±30	27	—	4	1500
*CFUM455C	455	±12.5	±24	27	—	4	1500
*CFUM455D	455	±10	±20	27	2 (455 ± 7.0)	4	1500
*CFUM455E	455	±7.5	±15	27	1.5 (455 ± 5.0)	6	1500
*CFUM455F	455	±6	±12.5	27	1.5 (455 ± 4.0)	6	2000
*CFUM455G	455	±4.5	±10	25	1.5 (455 ± 3.0)	6	2000
*CFUM455H	455	±3	±9	35	1.5 (455 ± 2.0)	6	2000
*CFUM455I	455	±2	±7.5	35	2 (455 ± 1.5)	7	2000
*CFWM455B	455	±15	±30	35	3 (455 ± 10.0)	4	1500
*CFWM455C	455	±12.5	±24	35	3 (455 ± 8.0)	4	1500
*CFWM455D	455	±10	±20	35	3 (455 ± 7.0)	4	1500
*CFWM455E	455	±7.5	±15	35	3 (455 ± 5.0)	6	1500
*CFWM455F	455	±6	±12.5	35	3 (455 ± 4.0)	6	2000
*CFWM455G	455	±4.5	±10	35	2 (455 ± 3.0)	6	2000
*CFWM455H	455	±3	±9	55	2 (455 ± 2.0)	6	2000
*CFWM455I	455	±2	±7.5	55	2 (455 ± 1.5)	7	2000

- \*CFUM455□ series filters are 4-element ceramic filters and ultraminiature versions of CFU455□2 series.
- \*CFWM455□ series filters are 6-element ceramic filters and ultraminiature versions of CFWS455□ 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. POSE-8.

FILTERS