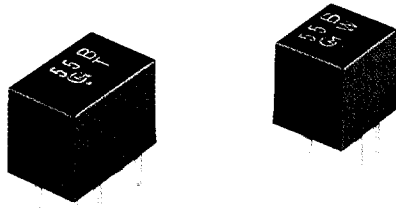


CERAMIC FILTERS MULTI-ELEMENT, RESIN MOLDED, HIGHLY SELECTIVE



CFU/CFWS 455KHz

The CFU 455 line of ceramic filters are 4-element devices connected in ladder form while the CFWS 455 line of ceramic filters contain 6-elements. These compact, highly selective filters are recommended for use in applications ranging from two-way radio to auxiliary filters in high class transceivers. (Also available in 450KHz version.)



SPECIFICATIONS

CFU 455KHz

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)
*CFU455B2	455 ± 2	±15	±30	27	3 (455 ± 10)	4	1500
*CFU455C2	455 ± 2	±12.5	±24	27	4 (455 ± 8)	4	1500
*CFU455D2	455 ± 1.5	±10	±20	27	2 (455 ± 7)	4	1500
*CFU455E2	455 ± 1.5	±7.5	±15	27	1.5 (455 ± 5)	6	1500
*CFU455F2	455 ± 1.5	±6	±12.5	27	1.5 (455 ± 4)	6	2000
*CFU455G2	455 ± 1	±4.5	±10	25	1.5 (455 ± 3.0)	6	2000
*CFU455H2	455 ± 1	±3	±9	25	2 (455 ± 2.0)	6	2000
*CFU455I2	455 ± 1	±2	±7.5	25	2 (455 ± 1.5)	6	2000
CFU455HT	455 ± 1	±3	±9	35	3 (455 ± 2)	6	2000
CFU455IT	455 ± 1	±2	±7.5	35	2 (455 ± 1.5)	6	2000

DIMENSIONS: mm

CIRCUIT

$R_g + R_1 = R_2 = \text{Input/Output Impedance}$

1=INPUT
2=GROUND
3=OUTPUT

CHARACTERISTICS

SPECIFICATIONS

CFWS 455KHz

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)
*CFWS455B	455	±15	±30	35	3 (455 ± 10)	4	1500
*CFWS455C	455	±12.5	±24	35	3 (455 ± 8)	4	1500
*CFWS455D	455	±10	±20	35	3 (455 ± 7)	4	1500
*CFWS455E	455	±7.5	±15	35	3 (455 ± 5.0)	6	1500
*CFWS455F	455	±6	±12.5	35	3 (455 ± 4)	6	2000
*CFWS455G	455	±4.5	±10	35	2 (455 ± 3)	6	2000
CFWS455HT	455	±3	±9	60	2 (455 ± 2)	6	2000
CFWS455IT	455	±2	±7.5	60	2 (455 ± 1.5)	7	2000

DIMENSIONS: mm

CIRCUIT

$R_g + R_1 = R_2 = \text{Input & Output Impedance}$

1=INPUT
2,3,4=GROUND
5=OUTPUT

CHARACTERISTICS

*Available as standard through authorized Murata Electronics Distributors.

*Note: For safety purposes, connect the output of filters to the IF amplifier through a DC blocking capacitor. Avoid applying a direct current to the output of ceramic filters.

FILTERS