

FILTERS

FOR COMMUNICATIONS EQUIPMENT—RESIN MOLDED, MULTI-ELEMENT—CFJ/CFS/CFL455kHz



The following lines of filters are high performance devices that achieve ultimate stopband attenuation through the use of multiple piezoelectric elements connected in ladder form. A few of the recommended applications for these filters include high class receivers, SSB communications equipment, pocket pagers and mobile radios.

CFJ455K 11 Ceramic Elements
CFS455 15 Element Filters
CFL455 9 Element Filters
 (GDT Improved)

DIMENSIONS: mm

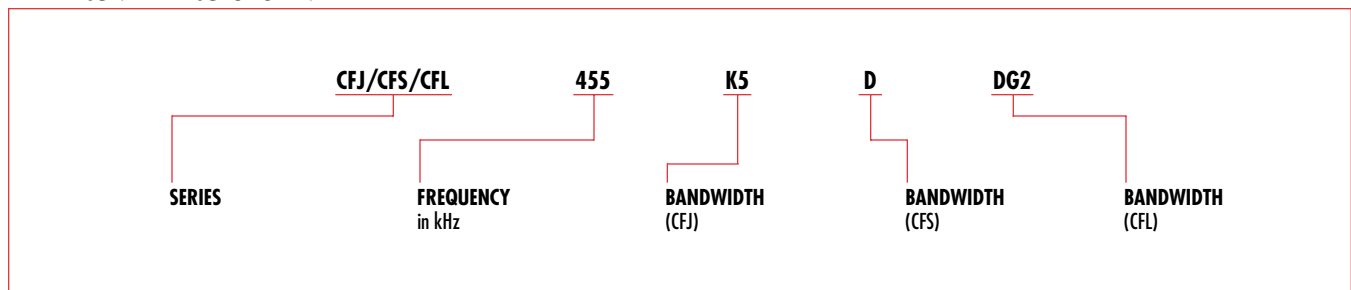
CFJ455K 	CFS455 	CFL455G
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Note: For safety purposes, connect the output of filters to the IF amplifier through a DC blocking capacitor. Avoid applying a direct current to the output of ceramic filters.

SPECIFICATIONS

Part Number	Nominal Center Frequency (kHz)	3dB Bandwidth (kHz) min.	6dB Bandwidth (kHz) min.	Ripple (dB) max.	Bandwidth (kHz) max.	At (dB)	Attenuation 455±100kHz (dB) min.	Spurious 0.1~1MHz (dB) min.	Insertion Loss (dB) max.	Input/Output Impedance (Ω)	Group Delay Time Dev. sec. max. (kHz)
CFJ455K5	455	—	2.4 (Total)	2	4.5 (Total)	60	—	60 ^{40 at 600 ~ 700kHz}	6	2000	
CFJ455K14	455	—	±1.1 ~ ±1.3	2	4.5 (Total)		—	60 ^{40 at 600 ~ 700kHz}	7	2000	
CFJ455K8	455	—	1.0 (Total)	1.5	3.0 (Total)		60	—	8	2000	
CFS455A	455	±13	±17.5	3	±30	80	70	50	4	1500	
CFS455B	455	±10	±15	3	±25		70	50	4	1500	
CFS455C	455	±9	±13	3	±23		70	50	4	1500	
CFS455D	455	±7	±10	3	±20		70	50	4	1500	
CFS455E	455	±5.5	±8	3	±15		70	50	6	1500	
CFS455F	455	±4.2	±6	3	±12		70	50	6	2000	
CFS455G	455	—	±4	3	±9		70	50	6	2000	
CFS455H	455	—	±3	3	±7.5		70	50	7	2000	
CFS455I	455	—	±2	3	±5		70	50	8	2000	
CFS455J	455	—	±1.5	3	±4.5		60	50	8	2000	
CFL455BG5	455	±10.5	±13.5	0.5	±100	60	60	30	10	1000	25μ(455±10.5)
CFL455CG1	455	±9.5	±12.0	0.5	±25.5		60	30	10	1000	35μ(455±9.5)
CFL455DG2	455	±7.0	±9.0	0.5	±100		60	30	11	1000	35μ(455±7)
CFL455EG1	455	±5.0	±7.0	0.5	±18		60	30	13	1500	30μ(455±5)

PART NUMBERING SYSTEM



*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.