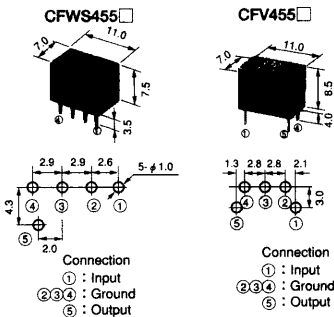
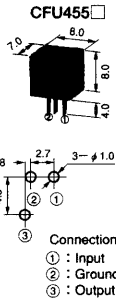


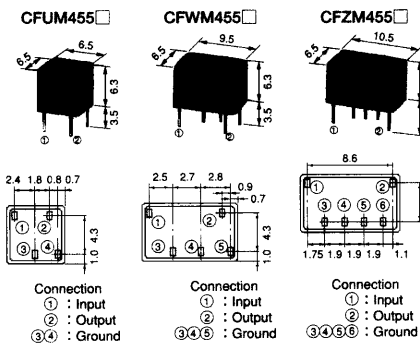
## CERAMIC FILTERS (CERAFIL)

### Resin Molded Type 455kHz

#### General Use



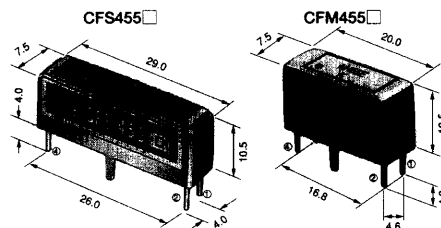
#### Ultra-small Type



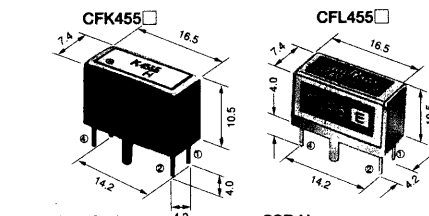
(in mm)

### Metal Case Type

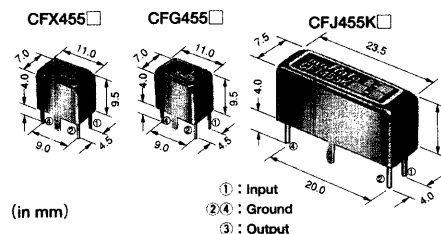
#### General Series



#### Small Size Series



#### Mini Size Series



(in mm)

Part Number		6dB Bandwidth (kHz) min.	Att. Bandwidth (kHz) max.	Stop Band Att. (dB) min.		Insertion Loss (dB) max.		Input/Output Impedance (Ω)
CFU	CFWS			CFU	CFWS	CFU	CFWS	
CFU455B2	CFWS455B	±15	±30	27	35	4	4	1,500
CFU455C2	CFWS455C	±12.5	±24	27	35	4	4	1,500
CFU455D2	CFWS455D	±10	±20	27	35	4	4	1,500
CFU455E2	CFWS455E	± 7.5	±15	27	35	6	6	1,500
CFU455F2	CFWS455F	± 6	±12.5	27	35	6	6	2,000
CFU455G2	CFWS455G	± 4.5	±10	25	35	6	6	2,000
CFU455HT	CFWS455HT	± 3	± 9	35	60	6	6	2,000
CFU455IT	CFWS455IT	± 2	± 7.5	35	60	6	7	2,000
CFV455E		± 8	±16	50		6		1,500
CFV455E10		± 7.0	±12.5	50		6		1,500

• Stop band attenuation is specified within 455±100kHz

• Attenuation bandwidth is specified with respect to 40 dB for CFU, 50 dB for CFWS and 60 dB for CFV.

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.

Part Number		6dB Bandwidth (kHz) min.	Att. Bandwidth (kHz) max.	Stop Band Att. (dB) min.		Insertion Loss (dB) max.	Input/Output Impedance (Ω)
CFUM	CFWM			CFUM	CFWM		
CFUM455B	CFWM455B	±15	±30	27	35	4	1,500
CFUM455C	CFWM455C	±12.5	±24	27	35	4	1,500
CFUM455D	CFWM455D	±10	±20	27	35	4	1,500
CFUM455E	CFWM455E	± 7.5	±15	27	35	6	1,500
CFUM455F	CFWM455F	± 6	±12.5	27	35	6	2,000
CFUM455G	CFWM455G	± 4.5	±10	25	35	6	2,000
CFUM455H	CFWM455H	± 3	± 9	35	55	6	2,000
CFUM455I	CFWM455I	± 2	± 7.5	35	55	7	2,000

• CFUM455 is a miniaturized four-element version of the conventional CFU455.

• CFWM455 is a miniaturized six-element version of the conventional CFWS455.

• CFZM455 is a miniaturized nine-element version of the conventional metal case type CFX455.

(Please request the appropriate catalog for the specifications of the CFZM series.)

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.

Part Number	3dB Band Width (kHz) min.	6dB Band Width (kHz) min.	Ripple (dB) max.	70dB Bandwidth (kHz) max.	Stop Band Att. 455±100kHz (dB) min.	Spurious 0.1—1MHz (dB) min.	Insertion Loss (dB) max.	Input/Output Impedance (Ω)
CFK455B	±10	±15	3	±25	80	50	4	1000
CFK455C	± 9	±13	3	±23	80	50	4	1000
CFK455D	± 7	±10	3	±20	80	50	4	1500
CFK455E	± 5.5	± 8	3	±16	80	50	6	1500
CFK455E10	± 5.0	± 7.5	3	±12.5	80	50	6	1500
CFK455F	± 4.2	± 6	3	±12	80	50	6	2000
CFK455G	—	± 4	3	±10	80	50	6	2000
CFK455H	—	± 3	3	± 7.5	80	50	7	2000
CFK455I	—	± 2	3	± 5	70	50	8	2000
CFK455J	—	± 1.5	3	± 4.5	70	50	8	2000
For SSB CFJ455K5	—	2.4 (total)	2	60dB Bandwidth 4.5(total)	—	60 (600—700kHz : 40)	6	2000
For SSB CFJ455K14	—	±1.1 to ±1.3	2	60dB Bandwidth 4.5(total)	—	60 (600—750kHz : 40)	7	2000
For SSB CFJ455K8	—	1.0 (total)	1.5	60dB Bandwidth 3.0(total)	60	—	8	2000

#### Test Circuit of CF□455□

