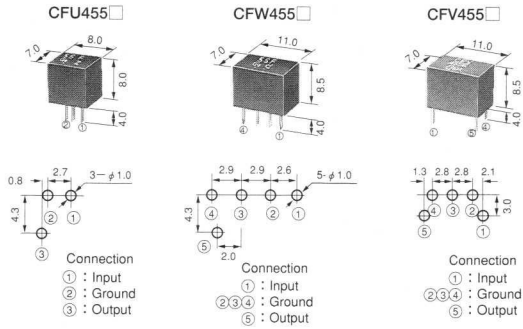


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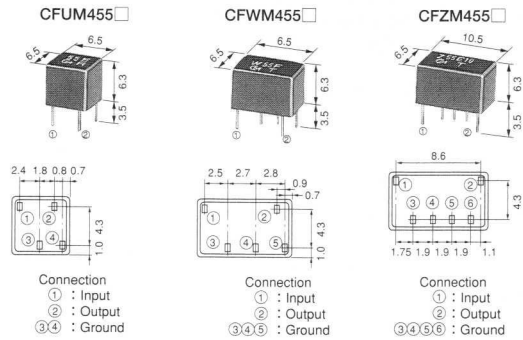
■ Resin Molded Type 455KHz

• General Series



(Unit : mm)

• Ultra-small Series



(Unit : mm)

Part Number		6dB Band Width (KHz)min.	Att. Band Width (KHz)max.	Stop Band Att. (dB) min.		Insetion Loss (dB)max.	In./Output mpedance (Ω)
CFU	CFW			CFU	CFW		
CFU455B2	CFW455B	±15	±30	27	35	4	1,500
CFU455C2	CFW455C	±12.5	±24	27	35	4	1,500
CFU455D2	CFW455D	±10	±20	27	35	4	1,500
CFU455E2	CFW455E	±7.5	±15	27	35	6	1,500
CFU455F2	CFW455F	±6	±12.5	27	35	6	2,000
CFU455G2	CFW455G	±4.5	±10	25	35	6	2,000
CFU455H2	CFW455H	±3	±9	25	35	6	2,000
CFU455I2	CFW455I	±2	±7.5	25	35	6	2,000
CFU455HT	CFW455HT	±3	±9	35	60	6	2,000
CFU455IT	CFW455IT	±2	±7.5	35	60	6	2,000
CFV455E		±8	±16	50		6	1,500
CFV455E10		±7.0	±12.5	50		6	1,500

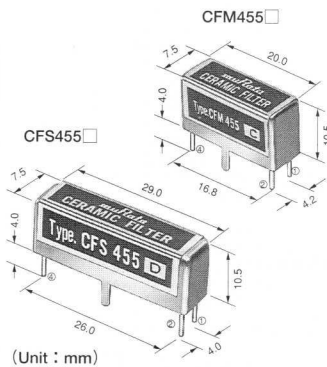
• Stop band attenuation is specified within 455±100KHz
 • Attenuation band width is specified by the width of CFU : 40dB, CFW : 50dB and CFV : 60dB.

Part Number		6dB Band Width (KHz) min.	Att. Band Width (KHz)max.	Stop Band Att. (dB) min.		Insetion Loss (dB) max.	In./Output mpedance (KΩ)
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 an ultra-small four-elements type of the conventional CFU455.
 • CFWM455 is an ultra-small six-elements type of the conventional CFW455.
 • CFZM455 is an ultra-small nine-elements type of the conventional metal case type CFZ455.
 (Please request an individual catalog regarding the specifications of the CFZM series.)
 • See page 17-19 for chip type.

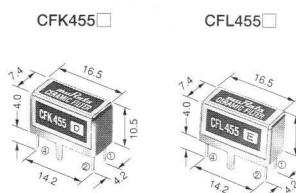
■ Metal Case Type

• General Series

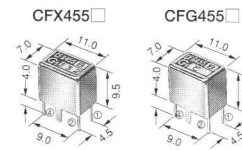


Characteristics	Center Frequency (KHz)	3dB Band Width (KHz) min.	6dB Band Width (KHz) min.	Ripple (dB) max.	70dB Band Width (KHz) max.	Stop Band Att 455±100KHz (dB) min.	Spurious 0.1~1MHz (dB) min.	Insetion Loss (dB) max.	In./Output mpedance (Ω)
CFK455B	455	±10	±15	3	±25	80	50	4	1000
CFK455C	455	±9	±13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

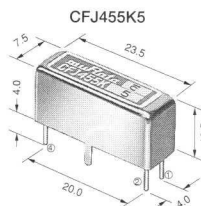
• Small Size Series



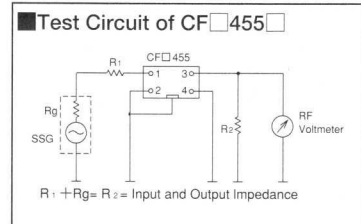
• Mini Size Series



• SSB Use



① : Input
 ②④ : Ground
 ③ : Output

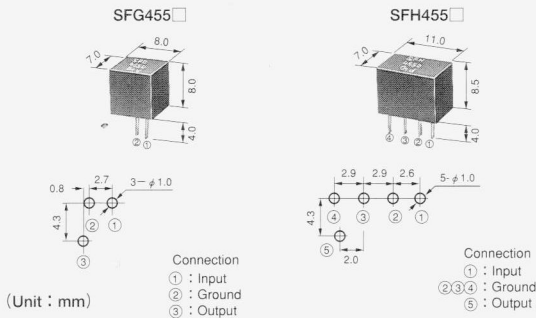


CERAMIC FILTER (CERAFIL®) FOR COMMUNICATION

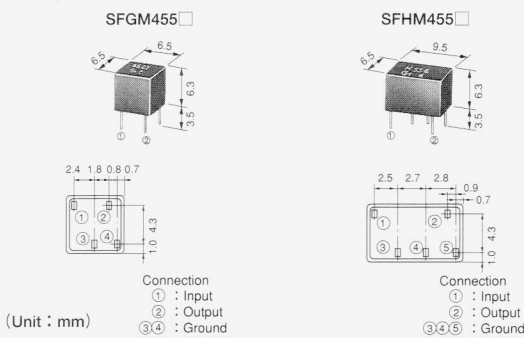
■ Plastic Case Type 455KHz

<For digital communications of group delay flat type>

• General Series



• Ultra-small Series



Part Number		6dB Band Width (KHz) min.	Att. Band Width (KHz) max.	Stop Band Att. (dB) min.		Insertion Loss (dB) max.		In./Output Impedance (Ω)
SFG	SFH			SFG	SFH	SFG	SFH	
SFG455B	SFH455B	±15	±35	25	35	5	6	1500
SFG455C	SFH455C	±12.5	±30	25	35	6	7	1500
SFG455D	SFH455D	±10	±25	23	35	7	8	1500
SFG455E	SFH455E	±7.5	±20	23	35	8	9	1500
SFG455F	SFH455F	±6	±17.5	23	35	9	10	2000
SFG455G	SFH455G	±4.5	±15	20	35	10	13	2000

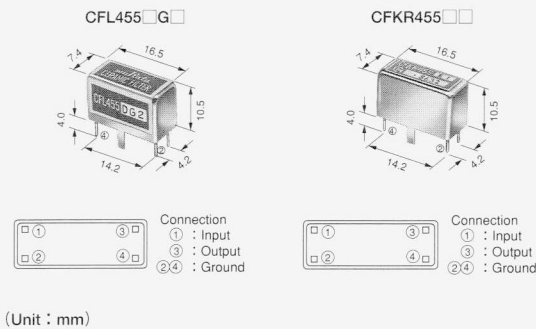
• Stop band attenuation is specified within 455±100KHz (Whereas, SFG455B/C : within±80KHz).
 • Attenuation band width is specified at the width of SFG : 40dB, SFH : 50dB.

Part Number		6dB Band Width (KHz) min.	Att. Band Width (KHz) max.	Stop Band Att. (dB) min.		Insertion Loss (dB) max.		In./Output Impedance (Ω)
SFGM	SFHM			SFGM	SFHM	SFGM	SFHM	
SFGM455B	SFHM455B	±15	±35	25	35	5	6	1500
SFGM455C	SFHM455C	±12.5	±30	25	35	6	7	1500
SFGM455D	SFHM455D	±10	±25	23	35	7	8	1500
SFGM455E	SFHM455E	±7.5	±20	23	35	8	9	1500
SFGM455F	SFHM455F	±6	±17.5	23	35	9	10	2000
SFGM455G	SFHM455G	±4.5	±15	20	35	10	13	2000

• SFGM455 □ is an ultra-small four-element type of conventional SFG455 □.
 • SFHM455 □ is an ultra-small six-element type of conventional SFH455.
 • Can be also used as 2nd IF filter for car telephone.
 • See page 17-19 for chip type.

■ Metal Case Type 455KHz

<For digital communications of group delay flat type>

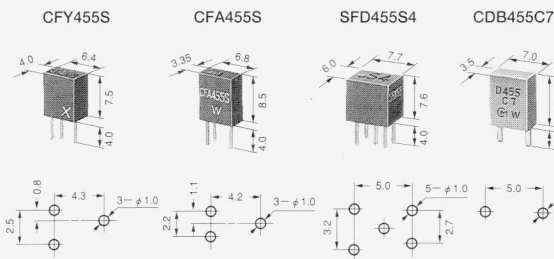


Part Number	6dB Band Width (KHz) min.	6dB Band Width (KHz) max.	Stop Band Att. (455±100KHz) (dB) min.	Insertion Loss (dB) max.	G.D.T.Ripple Deviation (μ sec.) max.	In./Output Impedance (Ω)
CFL455AG2	±17.5 ~±19.5	48dB min. at (±29KHz)	65 at (±40KHz)	7.5	40 at (±15KHz)	1000
CFL455BG5	±13.5	±27.5	60	10	25 at (±10.5KHz)	1000
CFL455CG1	±12	±25.5	60	10	35 at (±9.5KHz)	1000
CFL455DG2	±9	±21	60	11	35 at (±7KHz)	1000
CFL455EG1	±7	±18	60	13	30 at (±5KHz)	1500
CFKR455G1	±4	±11.5	70	6	35 at (±4KHz)	1500
CFKR455H2	±3.5	±11.2	60	6	30 at (±3.5KHz)	1500

• Can be also used as 2nd IF filter for car telephone.
 • CFKR455 □ □ type is low-loss group-delay type.

■ Communication Use Ceramic Discriminator 455KHz

• General Series



Part Number	Center Frequency (KHz)	Peak Separation (KHz) min.	Voltage Sensitivity* (mV/KHz)
CFY455S	455±1	15(17)	15±3
CFA455S	455±1	20(22)	13min.
CFAM455S	455±1	18(20)	12.5min.
SFD455S4	455±2	28(32)	9.5min.
CDB455C7	—	Recovered Audio 3dB Band Width±4.0KHz min.	Recovered Audio Volt. 340±60mV
CDBM455C7	—	—	—
CDBM455C2	455±1 (Z = 4.25K Ω)	447±1.5KHz(Z = 2.05K Ω) 463±1.5KHz(Z = 10K Ω)	—

• Center Frequency : Specified at DC 0 V point.
 • CDB455C7 is a discriminator for MOTOROLA IC : MC3357
 • CDBM455C2 is a discriminator for TOSHIBA IC : TAB104F

*Voltage sensitivity : 450~460KHz

• Ultra-small Series

