

FILTERS FOR AM APPLICATIONS SFGCG, SFPC, CFUCG 455kHz



Along with the development of the AM chip filter, IF filters for AM/FM radios have also been made smaller, thinner and in a chip configuration for surface mounting. This is one more example of Murata Electronics' leadership in converting conventional electronic components to chip technology.

FEATURES

- The filters are mountable by automatic placers.
- The filters can be reflow soldered and withstand washing.

- They are slim, at only 4.0mm maximum thickness, and have a small mounting area enabling flexible PCB design. (5.0mm maximum thickness for SFPC).
- The bandwidth ranges from 35kHz to 6kHz.
- Operating temperature range: -20°C to +80°C
Storage temperature range: -40°C to +85°C
- For reflow soldering
- Also available in 450kHz center frequency

DIMENSIONS: mm

CFUCG/SFGCG	SFPC
<p>① INPUT ② GROUND ③ OUTPUT</p>	<p>① INPUT ② GROUND ③ OUTPUT</p> <p>--- : EIAJ Date Code</p>

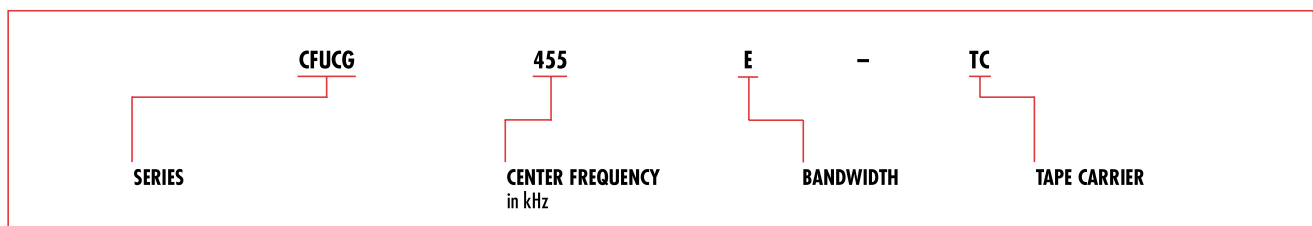
SPECIFICATIONS

CFUCG/SFGCG/SFPC SERIES

Part Number	Center Frequency		Bandwidth (Total)			Ripple (max.)		*Insertion Loss (max.) dB	Stop Band Atten. (min.) at ± 100 kHz dB	Group Delay (max.)		Source and Load Impedance (Ω)
	Nom. (kHz)	Tol. \pm (kHz)	3dB (min.) (kHz)	6dB (min.) (kHz)	40dB (max.) (kHz)	dB	Point of Measure			μ S	Point of Measure	
CFUCG455D-TC	455	1.5	—	10	20	2.0	± 7	4	27	—	—	1500
CFUCG455E-TC	455	1.5	—	15	30	1.5	± 5	6	27	—	—	1500
CFUCG455F-TC	455	1.5	—	12	25	1.5	± 4	6	27	—	—	1500
CFUCG455G-TC	455	1	—	9	20	1.5	± 3	6	25	—	—	1500
CFUCG455FX-TC	455	1.5	—	12	30	1	± 4	6	27	25	± 4	1500
CFUCG455GX-TC	455	1	—	9	25	1	± 3	6	25	25	± 3	1500
CFUCG455HX-TC	455	1	—	6	20	1	± 2	7	25	25	± 2	1500
SFGCG455AX2-TC▲	455	—	28	—	70	1	± 10	5	25	15	± 10	1000
SFGCG455BX-TC	455	1.5	—	30	70	1	± 10	5	25	15	± 10	1000
SFGCG455CX-TC	455	1.5	—	25	60	1	± 8	6	25	15	± 8	1000
SFGCG455DX-TC	455	1	—	20	50	1	± 7	7	23	20	± 7	1500
SFGCG455EX-TC	455	1	—	15	40	1	± 5	8	23	20	± 5	1500
SFPC455E-TC	455	1.5	—	15	30	1.5	± 5	6	27	—	—	1500
SFPC455F-TC	455	1.5	—	12	25	1.5	± 4	6	27	—	—	1500
SFPC455G-TC	455	1	—	9	20	1.5	± 3	6	25	—	—	1500
SFPC455H-TC	455	1	—	6	—	1.5	± 2	6	35	—	—	2000
SFGCG455AX-TC	455	2	—	35	80	1	± 10	4	25	15	± 10	1000

*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 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.