

Description

- AM Ceramic filters are connected in a ladder structure and are available as either 4/6 element devices
- Bandwidths from 6 to 30 kHz

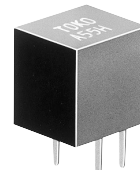
Features

- 450, 455 kHz, (460kHz and 486kHz by special request)
- High selectivity
- Compact package
- Version with group delay variations specified also available
- Lead-free terminations

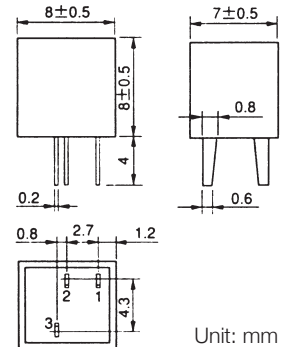
Applications

- AM radio cassettes, AM stereo sets
- Cordless telephones, pagers
- Two-way radios

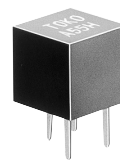
Dimensions



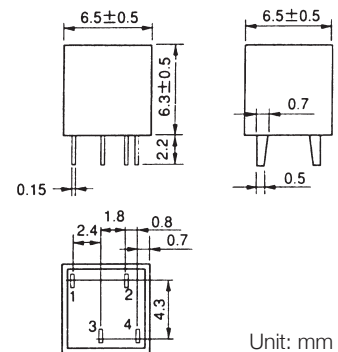
LFC



Unit: mm



LFCM



Unit: mm

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STANDARD FILTERS SELECTION GUIDE

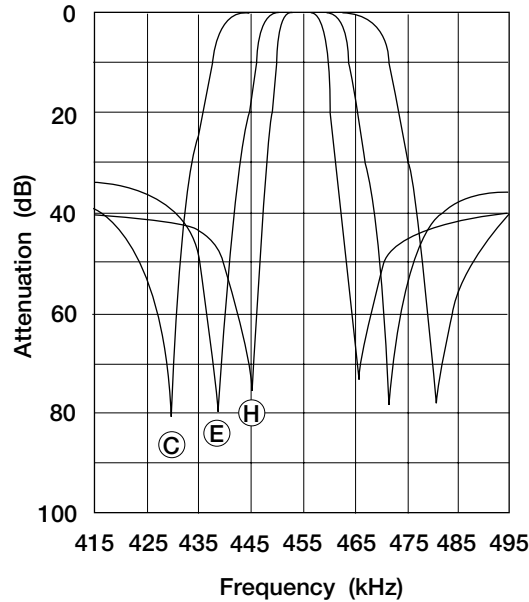
TYPE LFC/LFCM

TOKO Part Number	Center * Frequency (kHz)	Bandwidth at 6 dB (kHz)	Bandwidth at 40 dB (kHz)	Attenuation fo ± 100 KHz (dB)	Insertion Loss (dB)	Input/Output Impedance (k Ω)
LFC						
ALFC455H	455 \pm 1.0	\pm 3.0 min.	\pm 9.0 min.	25.0 max.	6.0 max.	2.0
ALFC455G	455 \pm 1.0	\pm 4.5 min.	\pm 10.0 min.	25.0 max.	6.0 max.	2.0
ALFC455F	455 \pm 1.0	\pm 6.0 min.	\pm 12.5 min.	27.0 max.	6.0 max.	2.0
ALFC455E	455 \pm 1.0	\pm 7.5 min.	\pm 15.0 min.	27.0 max.	6.0 max.	1.5
BLFC455D	455 \pm 2.0	\pm 10.0 min.	\pm 20.0 min.	27.0 max.	4.0 max.	1.5
BLFC455C	455 \pm 2.0	\pm 12.5 min.	\pm 24.0 min.	27.0 max.	4.0 max.	1.5
BLFC455B	455 \pm 2.0	\pm 15.0 min.	\pm 30.0 min.	27.0 max.	4.0 max.	1.5
LFCM						
ALFCM455H	455 \pm 1.0	\pm 3.0 min.	\pm 9.0 min.	25.0 max	6.0 max.	2.0
ALFCM455G	455 \pm 1.0	\pm 4.5 min.	\pm 10.0 min.	25.0 max	6.0 max.	2.0
ALFCM455F	455 \pm 1.0	\pm 6.0 min.	\pm 12.5 min.	27.0 max	6.0 max.	2.0
ALFCM455E	455 \pm 1.0	\pm 7.5 min.	\pm 15.0 min.	27.0 max	6.0 max.	1.5
BLFCM455D	455 \pm 2.0	\pm 10.0 min.	\pm 20.0 min.	27.0 max	4.0 max.	1.5
BLFCM455C	455 \pm 2.0	\pm 12.5 min.	\pm 24.0 min.	27.0 max	4.0 max.	1.5
BLFCM455B	455 \pm 2.0	\pm 15.0 min.	\pm 30.0 min.	27.0 max	4.0 max.	1.5

* For 450kHz, substitute 450 for 455 in part number.

Frequency Response

LFC / LFCM (4 element)



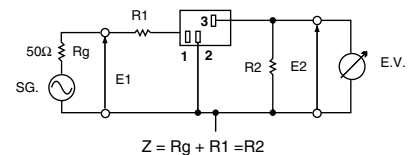
Bandwidth
Rank:
C = ±12.5kHz
E = ±7.5kHz
H = ±3kHz

Test Circuit

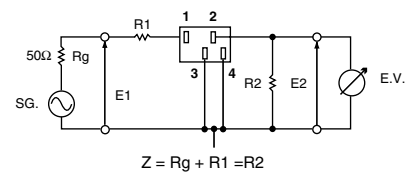
Test Conditions

1. C includes test circuit capacitance.
2. R₁, R₂: Input-output impedance
Cs: Stray capacitance
(less than 50pF, including EV)

LFC Test circuit



LFCM Test circuit



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