

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

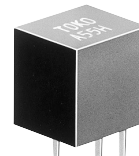
Features

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

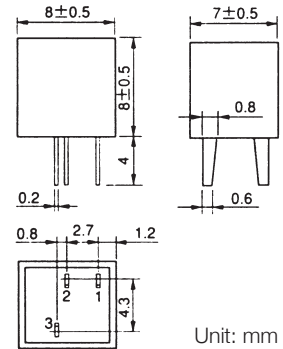
Applications

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

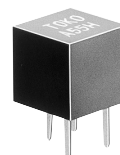
Dimensions



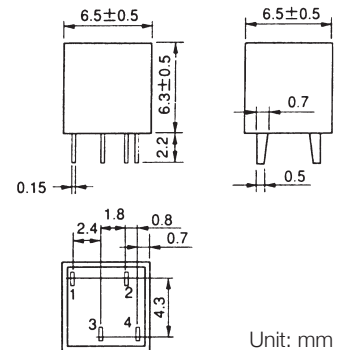
LFC



Unit: mm



LFCM



Unit: mm

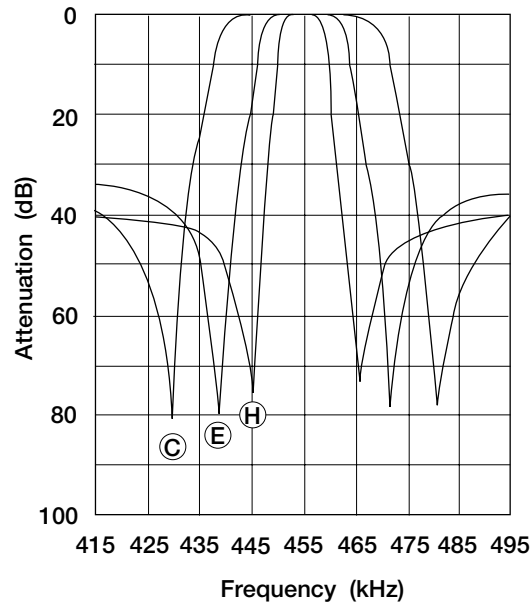
STANDARD FILTERS SELECTION GUIDE

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 (kΩ)
LFC						
ALFC455H	455±1.0	±3.0 min.	±9.0 min.	25.0 max.	6.0 max.	2.0
ALFC455G	455±1.0	±4.5 min.	±10.0 min.	25.0 max.	6.0 max.	2.0
ALFC455F	455±1.0	±6.0 min.	±12.5 min.	27.0 max.	6.0 max.	2.0
ALFC455E	455±1.0	±7.5 min.	±15.0 min.	27.0 max.	6.0 max.	1.5
BLFC455D	455±2.0	±10.0 min.	±20.0 min.	27.0 max.	4.0 max.	1.5
BLFC455C	455±2.0	±12.5 min.	±24.0 min.	27.0 max.	4.0 max.	1.5
BLFC455B	455±2.0	±15.0 min.	±30.0 min.	27.0 max.	4.0 max.	1.5
LFCM						
ALFCM455H	455±1.0	±3.0 min.	±9.0 min.	25.0 max	6.0 max.	2.0
ALFCM455G	455±1.0	±4.5 min.	±10.0 min.	25.0 max	6.0 max.	2.0
ALFCM455F	455±1.0	±6.0 min.	±12.5 min.	27.0 max	6.0 max.	2.0
ALFCM455E	455±1.0	±7.5 min.	±15.0 min.	27.0 max	6.0 max.	1.5
BLFCM455D	455±2.0	±10.0 min.	±20.0 min.	27.0 max	4.0 max.	1.5
BLFCM455C	455±2.0	±12.5 min.	±24.0 min.	27.0 max	4.0 max.	1.5
BLFCM455B	455±2.0	±15.0 min.	±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)



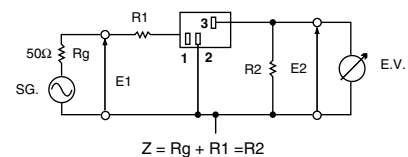
Bandwidth
Rank:
C = $\pm 12.5\text{kHz}$
E = $\pm 7.5\text{kHz}$
H = $\pm 3\text{kHz}$

Test Circuit

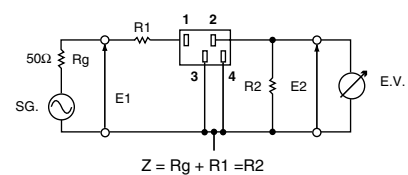
Test Conditions

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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