

#### 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

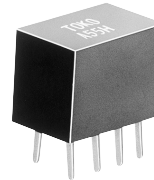
#### Features

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

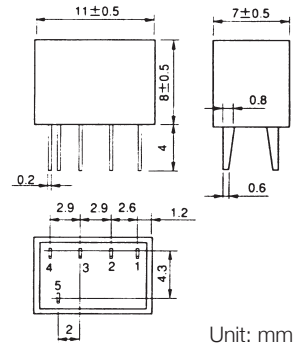
#### Applications

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

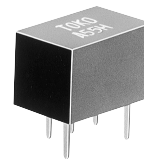
#### Dimensions



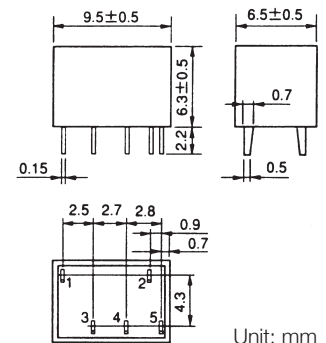
LFY



Unit: mm



LFYM



Unit: mm

### STANDARD FILTERS SELECTION GUIDE

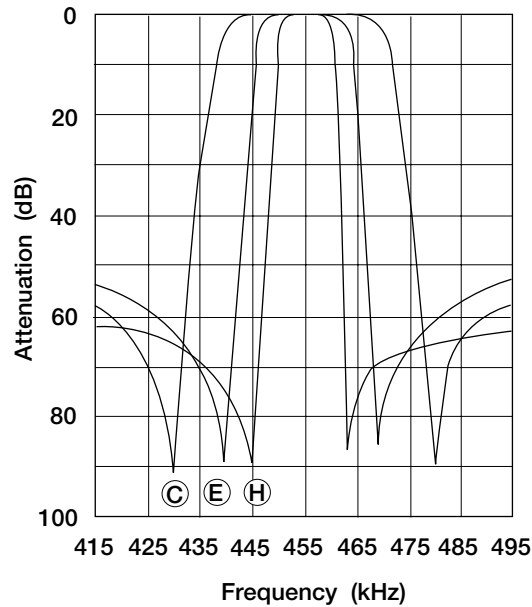
#### TYPE LFY/LFYM

TOKO Part Number	Center * Frequency (kHz)	Bandwidth at 6 dB (kHz)	Bandwidth at 50 dB (kHz)	Attenuation fo ± 100 KHz (dB)	Insertion Loss (dB)	Input/Output Impedance (kΩ)
<b>LFY</b>						
ALFY455H	455±1.0	±3.0 min.	±9.0 min.	35.0 max.	6.0 max.	2.0
ALFY455G	455±1.0	±4.5 min.	±10.0 min.	35.0 max.	6.0 max.	2.0
ALFY455F	455±1.0	±6.0 min.	±12.5 min.	35.0 max.	6.0 max.	2.0
ALFY455E	455±1.0	±7.5 min.	±15.0 min.	35.0 max.	6.0 max.	1.5
BLFY455D	455±2.0	±10.0 min.	±20.0 min.	35.0 max.	4.0 max.	1.5
BLFY455C	455±2.0	±12.5 min.	±24.0 min.	35.0 max.	4.0 max.	1.5
BLFY455B	455±2.0	±15.0 min.	±30.0 min.	35.0 max.	4.0 max.	1.5
<b>LFYM</b>						
ALFYM455H	455±1.0	±3.0 min.	±9.0 min.	35.0 max	6.0 max.	2.0
ALFYM455G	455±1.0	±4.5 min.	±10.0 min.	35.0 max	6.0 max.	2.0
ALFYM455F	455±1.0	±6.0 min.	±12.5 min.	35.0 max	6.0 max.	2.0
ALFYM455E	455±1.0	±7.5 min.	±15.0 min.	35.0 max	6.0 max.	1.5
BLFYM455D	455±2.0	±10.0 min.	±20.0 min.	35.0 max	4.0 max.	1.5
BLFYM455C	455±2.0	±12.5 min.	±24.0 min.	35.0 max	4.0 max.	1.5
BLFYM455B	455±2.0	±15.0 min.	±30.0 min.	35.0 max	4.0 max.	1.5

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

### Frequency Response

LFY / LFYM (6 element)



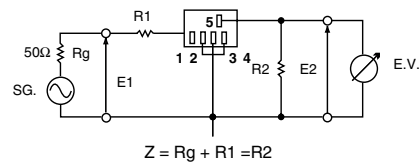
Bandwidth  
Rank:  
C = ±12.5kHz  
E = ±7.5kHz  
H = ±3kHz

### Test Circuit

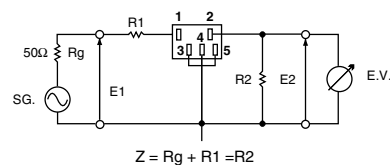
#### Test Conditions

1. C includes test circuit capacitance.
2. R<sub>1</sub>, R<sub>2</sub>: Input-output impedance  
C<sub>s</sub>: Stray capacitance  
(less than 50pF, including EV)

#### LFY Test circuit



#### LFYM Test circuit



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