

Description

- Low profile, compact, 2-element AM IF filter with high reliability.
- Center frequency range: 450 to 470kHz
- Bandwidth at 6dB: 4 to 10kHz.

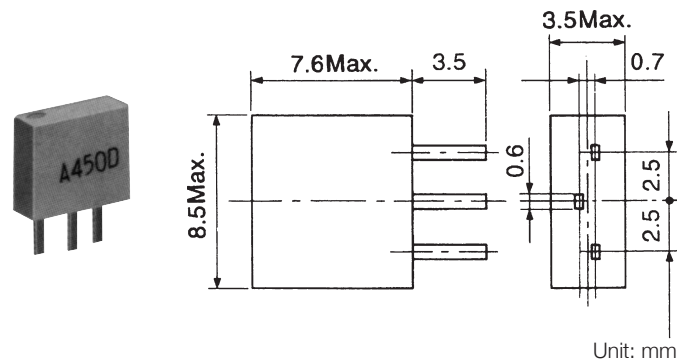
Features

- Compact, low profile (height 7.6mm).
- High selectivity, suited for a wide range of applications
- Low spurious response
- Lead-free terminations

Applications

- AM radio cassettes, stereo sets, telecommunications
- Wireless data communication equipment

Dimensions

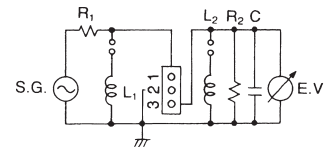


Test Circuit

Test Conditions

1. C includes test circuit capacitance.
2. L_1 2.7mH, L_2 1.0mH
3. During testing, when matching coils are used at input/output sides, connect L_1 and L_2 (dummy)
4. R_1, R_2 : Input-output impedance
Cs: Stray capacitance
(less than 50pF, including EV)

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STANDARD FILTERS SELECTION GUIDE

TYPE CFMR (CERASIZER®)

TOKO Part Number	Center Frequency (Fo)* (kHz)	Bandwidth at 6dB (kHz)	Selectivity at Fo±9kHz (dB)	Ripple in Pass Band (dB)	Insertion Loss (dB)	Input/Output Impedance (kΩ)
##ACFMR-455Z	455±1.0	4.0±1.0	24.0 min.	1.0 max.	7.0 max.	1.0/1.5
##ACFMR-455AL	455±1.0	4.0 min.	18.0 min.	1.0 max.	6.0 max.	1.0/1.5
##ACFMR-455BL	455±1.0	6.0 min.	16.0 min.	1.0 max.	6.0 max.	1.0/2.0
##ACFMR-455CL	455±1.0	8.0 min.	12.0 min.	2.0 max.	6.0 max.	2.0/2.0
##ACFMR-455DL	455±1.0	10.0 min.	9.0 min.	2.0 max.	6.0 max.	2.0/2.0

* Center frequencies 450kHz, 455kHz, 459kHz, 460kHz, 468kHz available. Center frequency tolerance available to ±0.5kHz.



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