

Description

- FM-IF step ceramic filters developed for use in compact, slimline sets.
- Increased number of bandwidth variations, ideal for BS tuner and digital communications equipment wide band, as well as European and U.S, FM stereo narrow band.
- Covers a wide range of application characteristics through the Standard S Series, Low Loss X Series and Group Delay G Series meeting a wide range of needs.

Features

- Compact and low profile (ideal for slimline sets)
- Low temperature coefficient and dispersion for reliable response
- High selectivity
- Low spurious response
- Independent terminal structure
- Lead-free terminations

Applications

- Radios, radio cassettes, car radios, home stereo
- Wireless data communication equipment

Color Code Table

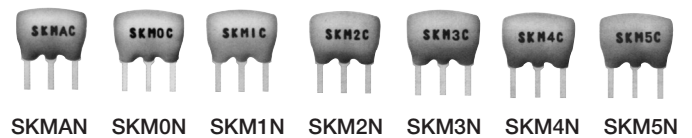
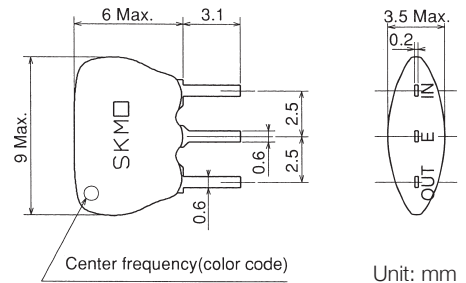
Rank	Center Frequency*	Color Code
A	10.70±0.03MHz	None
B	10.67±0.03MHz	Blue
C	10.73±0.03MHz	Orange
D	10.64±0.03MHz	Black
E	10.76±0.03MHz	White

* Standard center frequency: 10.7MHz

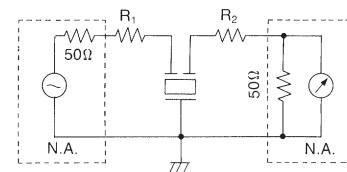
* Applicable center frequency: 10.3MHz — 11.5MHz

* Center frequency tolerance: Standard ±30kHz; ±25kHz and ±20kHz also available

Dimensions



Test Circuit



Test Conditions

R₁: 280Ω

R₂: 280Ω

N.A.: HP4194A or equivalent

(Input impedance less than 15pF)

STANDARD FILTERS SELECTION GUIDE

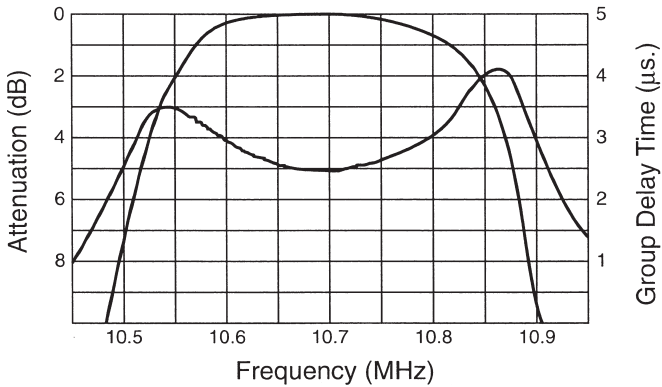
TYPE CFSKN Standard S Series

TOKO Part Number	Center Frequency* (Fo)	Bandwidth at 3dB (kHz)	Bandwidth at 20dB (kHz)	Insertion Loss (dB)	Spurious Response (dB)	Input/Output Impedance (Ω)
#SK107MAN-AE-10	See Color Code Table	380±50	720 max.	5.0 max.	30 min.	330/330
#SK107M0N-AE-10	See Color Code Table	330±50	680 max.	6.0 max.	30 min.	330/330
#SK107M1N-AE-10	See Color Code Table	280±50	650 max.	6.0 max.	30 min.	330/330
#SK107M2N-AE-20	See Color Code Table	230±50	600 max.	6.0 max.	40 min.	330/330
#SK107M3N-AE-20	See Color Code Table	180±40	520 max.	7.0 max.	40 min.	330/330
#SK107M4N-AE-20	See Color Code Table	150±40	400 max.	10.0 max.	40 min.	330/330
#SK107M5N-AE-10	See Color Code Table	110±30	350 max.	10.0 max.	30 min.	330/330

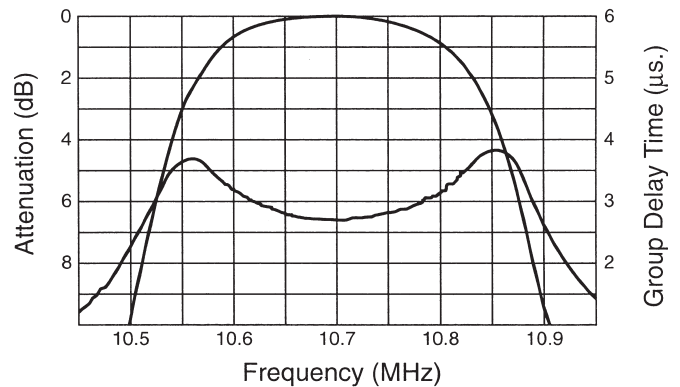
Typical Characteristics

Frequency Response

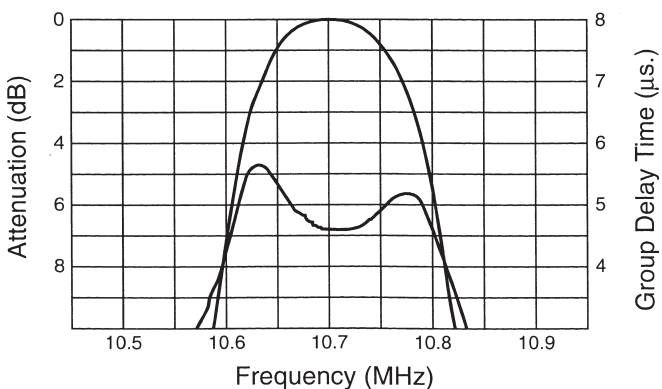
SK107M0N-AE-10



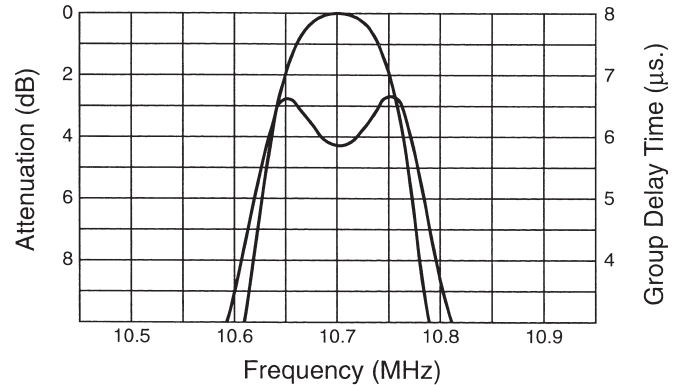
SK107M1N-AE-10



SK107M4N-AE-20



SK107M5N-AE-10



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