

10.7MHz CERAMIC FILTER

AFC10.7M

Pb in ceramic (exempt per
RoHS 2002/95/EC Annex (7)).

RoHS
Compliant



7.0 x 4.0 x 7.0 mm

FEATURES:

- Small size, Light weight
- Low loss/High attenuation option available
- Low cost thru hole package

APPLICATIONS:

- FM receivers
- Digital transmission systems
- Communications applications

STANDARD SPECIFICATIONS:

MAXIMUM RATINGS

Item	Requirement
Withstanding Voltage(V)	50(DC, 1min)
Insulation Resistance Ri (MΩ) min.	100(10V, 1min)
Operating temperature	-40°C ~ +85°C
Storage temperature	-40°C ~ +85°C

ELECTRICAL CHARACTERISTICS

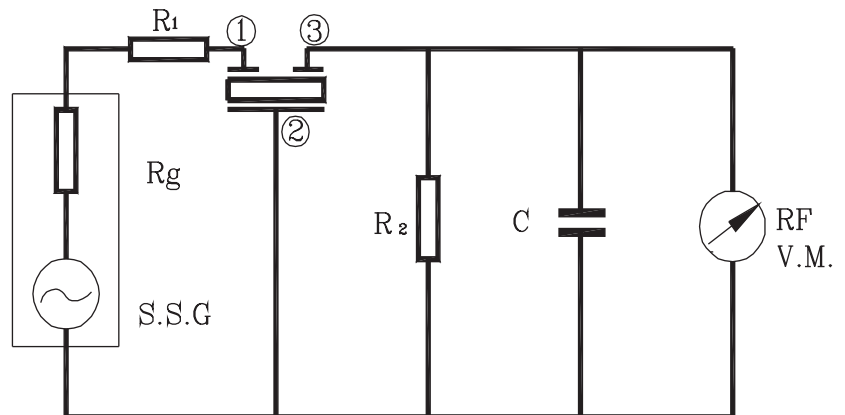
Part Number	3dB Bandwidth (kHz)	20 dB Bandwidth (kHz) max.	Insertion Loss (dB)max	Spurious Attenuation 9-12MHz dB min	Input/Output Impedance (Ω)	Special design
AFC10.7MA	280 ± 50	650	6	30	330	STD
AFC10.7MS	230 ± 50	600	6	40	330	
AFC10.7MC	180 ± 40	520	7	40	330	
AFC10.7MJ	150 ± 40	400	10	40	330	
AFC10.7MA25	280 ± 50	590	2.5±2.0	30	330	Low-Loss
AFC10.7MS30	230 ± 50	520	3.0±2.0	35	330	
AFC10.7MC35	180 ± 40	470	3.5±1.5	35	330	
AFC10.7MJ45	150 ± 40	360	5.5±2.0	35	330	
AFC10.7MW330	330 ± 50	680	6.0	30	330	Wide/ Narrow Bandwidth
AFC10.7MW110	110 ± 30	350	10.0	30	330	

TEST CIRCUIT

Test conditions:

Parts shall be tested under the condition
(Temp.: 20± 15°C, Humidity: 65±20% R.H.)
unless the standard condition (Temp.: 25±2°C,
Humidity: 65±5% R.H.) is regulated to measure

$R_g + R_1 = R_2 =$ Input/Output Impedance (Ω)
 $C = 10\text{pF}$ (Including stray capacitance and
capacitance of RF voltagemeter)



REVISED: 04.24.2018

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➤ OPTIONS AND PART IDENTIFICATION

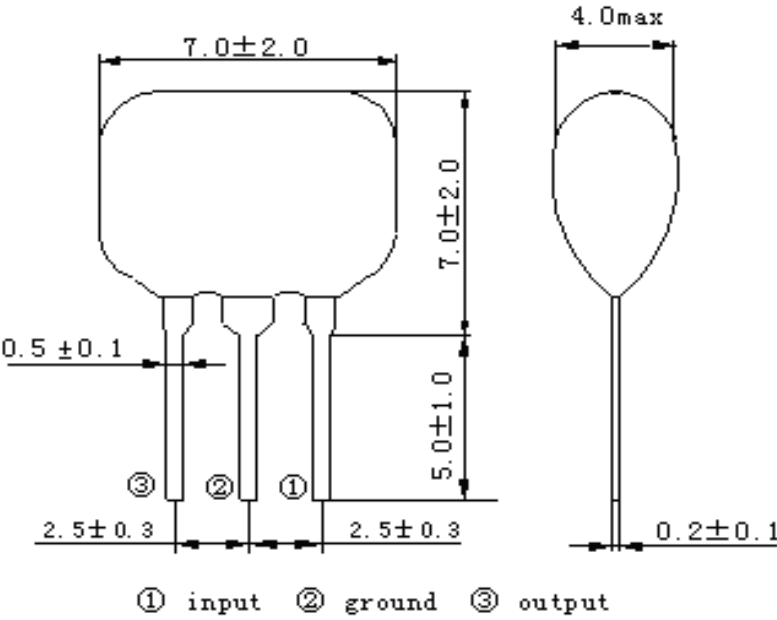
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AFC10.7M□□□□ - □

Part Number
See table in Section 2.2

Packaging	
Blank	Bulk
A	AMMO packing

➤ OUTLINE DIMENSIONS:



* Leand length: 5mm is for bulk parts; 13.5mm is for ammo packaging

REVISED: 04.24.2018