

10.7 MHZ, LEADED LOW LOSS CERAMIC FILTERS AFC10.7M Series



7 x 4 x 7 mm

FEATURES:

- Small size, Light weight
- Low loss and high attenuation.

APPLICATIONS:

- FM receivers
- Digital transmission systems
- Communications applications.

STANDARD SPECIFICATIONS AFC10.7M SERIES

Part Number	3 dB Bandwidth (kHz)	20 dB Bandwidth (kHz) max.	Insertion Loss (dB) max.	Spurious Attenuation 9-12 MHz (dB) min.	Input / Output Impedance(Ω)
AFC10.7MA	280 ± 50	650	6	30	330
AFC10.7MS	230 ± 50	600	6	40	330
AFC10.7MC	180 ± 40	520	7	40	330
AFC10.7MJ(*)	150 ± 40	400	10	38	330 (*)

Low-loss type

Part Number	3 dB Bandwidth (kHz)	20 dB Bandwidth (kHz) max.	Insertion Loss (dB) max.	Spurious Attenuation 9-12 MHz (dB) min.	Input / Output Impedance(Ω)
AFC10.7MA25	280 ± 50	590	2.5 ± 2.0	30	330
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	4.5 ± 2.0	35	330 (*)

Wide or narrow bandwidth type

Part Number	3 dB Bandwidth (kHz)	20 dB Bandwidth (kHz) max.	Insertion Loss (dB) max.	Spurious Attenuation 9-12 MHz (dB) min.	Input / Output Impedance(Ω)
AFC10.7MW350	350 min.	950	3.0 ± 2.0	20	470 (*)
AFC10.7MW330	330 ± 50	680	4.0 ± 2.0	30	330
AFC10.7MW110	110 ± 30	350	7.0 ± 2.0	30	330
AFC10.7MW20	20 min.	95	6.0 max.	24	600 (*)

ORDERING OPTIONS

AFC10.7MXXXX - Packaging

see part number

- Ammo (Ammo pack)

Storage temperature: -40°C to +85°C

Packaging: Bulk: Plastic packing 500pcs. See appendix H.

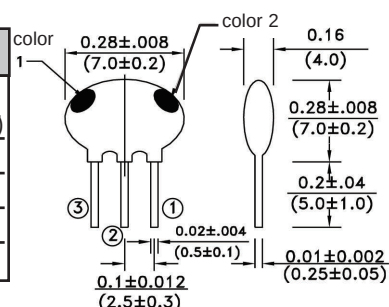
Ammo pack (Taping): carton box packing: 1,500pcs. See appendix H.

Environmental and mechanical specification, see appendix C. Group 6.

Marking, see appendix G. Application notes, see appendix A.

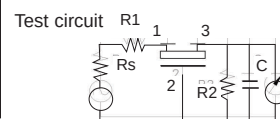
Recommended handling, see appendix F.

(*) As of 09/02 parts are under development.



Pin connections

1	Input
2	GND
3	Output



C = 10pF

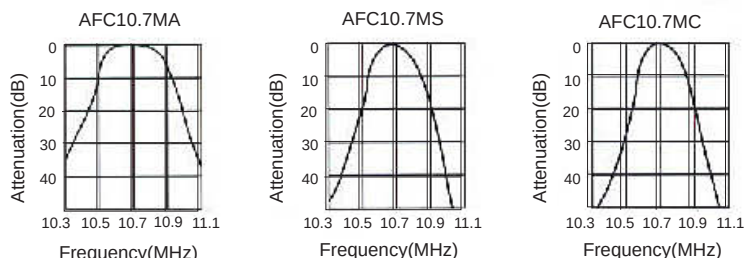
(including stray capacitance)

Dimensions: Inches (mm)

Color Code

Category	Center Frequency	Color
A	10.70MHz±30kHz	Red
B	10.67MHz±30kHz	Blue
C	10.76MHz±30kHz	White
D	10.64MHz±30kHz	Black
E	10.73MHz±30kHz	Orange

Frequency Characteristics



ABRACON IS
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NOTE: Left blank if standard • All specifications and markings subject to change without notice

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