



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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



FEATURES:

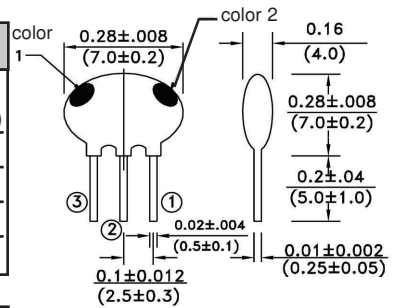
- Small size, Light weight
- Low loss and high attenuation.

APPLICATIONS:

- FM receivers
- Digital transmission systems
- Communications applications.

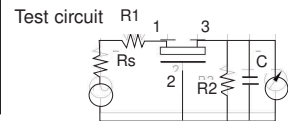
STANDARD SPECIFICATIONS AFC10.7M SERIES

| 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() |
|--------------|----------------------|----------------------------|--------------------------|---|-----------------------------|
| 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 (*) |



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 |

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() |
|-------------|----------------------|----------------------------|--------------------------|---|-----------------------------|
| 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() |
|--------------|----------------------|----------------------------|--------------------------|---|-----------------------------|
| 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

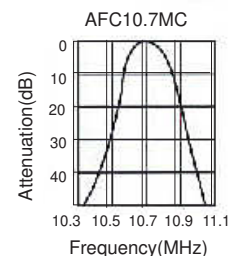
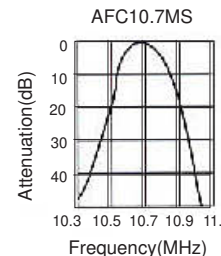
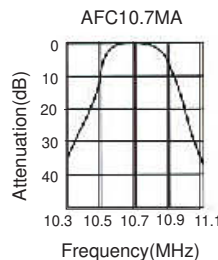
see part number

- 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.

Frequency Characteristics



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

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