

SMD CERAMIC FILTER



763 Series

[Request Samples](#)[Check Inventory](#)

3.45 x 3.1 x 1.4 mm

RoHS Compliant

MSL Level = N/A



Description

This surface-mount ceramic filter offers a compact and reliable solution for broadcast radio reception. Its miniature 3.45 x 3.1 x 1.4 mm footprint is designed for seamless integration into space-constrained car radios, home stereo tuners, and portable devices. With a low insertion loss ranging from 3.0 to 4.5 dB, it effectively preserves signal strength while providing essential frequency selectivity. As a RoHS-compliant component, this filter meets stringent environmental standards while delivering consistent performance across various broadcast receiver modules, making it an ideal choice for manufacturers prioritizing both audio quality and compact design in consumer electronics.

Features

- Chip Type Ceramic Filter
- Surface Mount
- Compact in Size 3.45 x 3.1 x 1.4 mm
- Low Insertion Loss: 3.0 ~ 4.5 dB
- [RoHS Compliant](#)

Applications

- Car Radios
- Home Stereo Tuners
- Portable Radios
- Broadcast Radio Receiver Modules

Ordering Information

Part Number	Description
763-0107-A5	10.7MHz 3dB Bandwidth 280 ± 50 kHz SMD CERAMIC FILTER on Cut Tape
763-0107-A5-T	10.7MHz 3dB Bandwidth 280 ± 50 kHz SMD CERAMIC FILTER on Tape & Reel
763-0107-S2	10.7MHz 3dB Bandwidth 230 ± 50 kHz SMD CERAMIC FILTER on Cut Tape
763-0107-S2-T	10.7MHz 3dB Bandwidth 230 ± 50 kHz SMD CERAMIC FILTER on Tape & Reel
763-0107-S3	10.7MHz 3dB Bandwidth 180 ± 40 kHz SMD CERAMIC FILTER on Cut Tape
763-0107-S3-T	10.7MHz 3dB Bandwidth 180 ± 40 kHz SMD CERAMIC FILTER on Tape & Reel
763-0107-A20	10.7MHz 3dB Bandwidth 330 ± 50 kHz SMD CERAMIC FILTER on Cut Tape
763-0107-A20-T	10.7MHz 3dB Bandwidth 330 ± 50 kHz SMD CERAMIC FILTER on Tape & Reel

Note: Other options not listed may be available upon request via [Abracon online support](#)



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Electrical Specification

Part Number	3 dB Bandwidth	20 dB Bandwidth	Insertion Loss	Spurious Attenuation (9 ~ 12 MHz)	In/Out Impedance
	kHz min.	kHz max.	dB max.	dB min.	ohm
763-0107-A5	280 ±50	590	3.0 ±2.0	30	330
763-0107-S2	230 ±50	510	3.5 ±2.0	30	330
763-0107-S3	180 ±40	470	4.5 ±2.0	30	330
763-0107-A20	330 ±50	700	3.0 ±2.0	30	330

Mechanical Specification

Parameters	Specifications
Filter Dimension	3.45 x 3.1 x 1.4 mm
Mounting Type	Surface Mount

Environmental Specification

Parameter	Specification
Operating Temperature	-20°C to +80°C
Storage Temperature	-40°C to +85°C
RoHS Compliance	Yes

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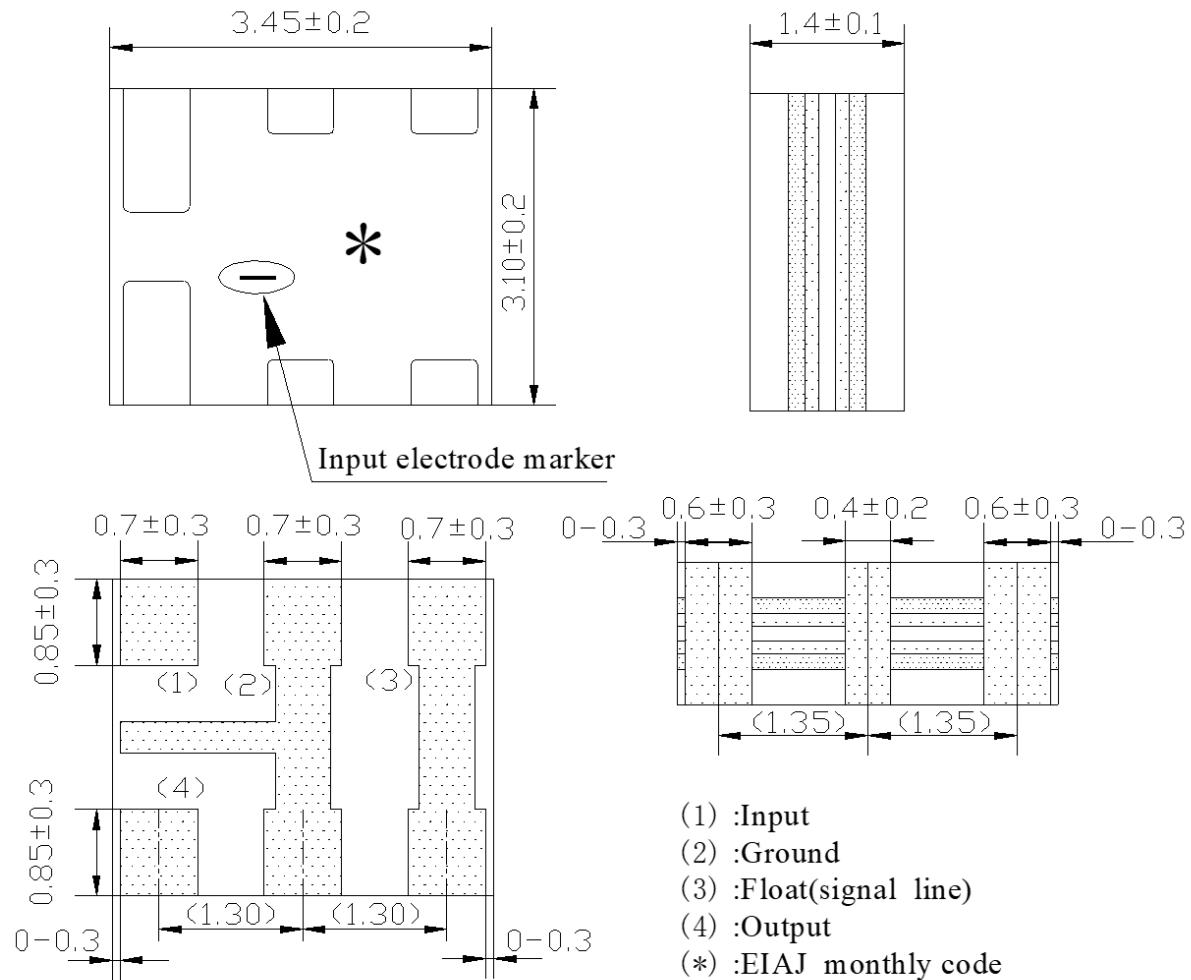


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Product Dimensions



Unit: mm

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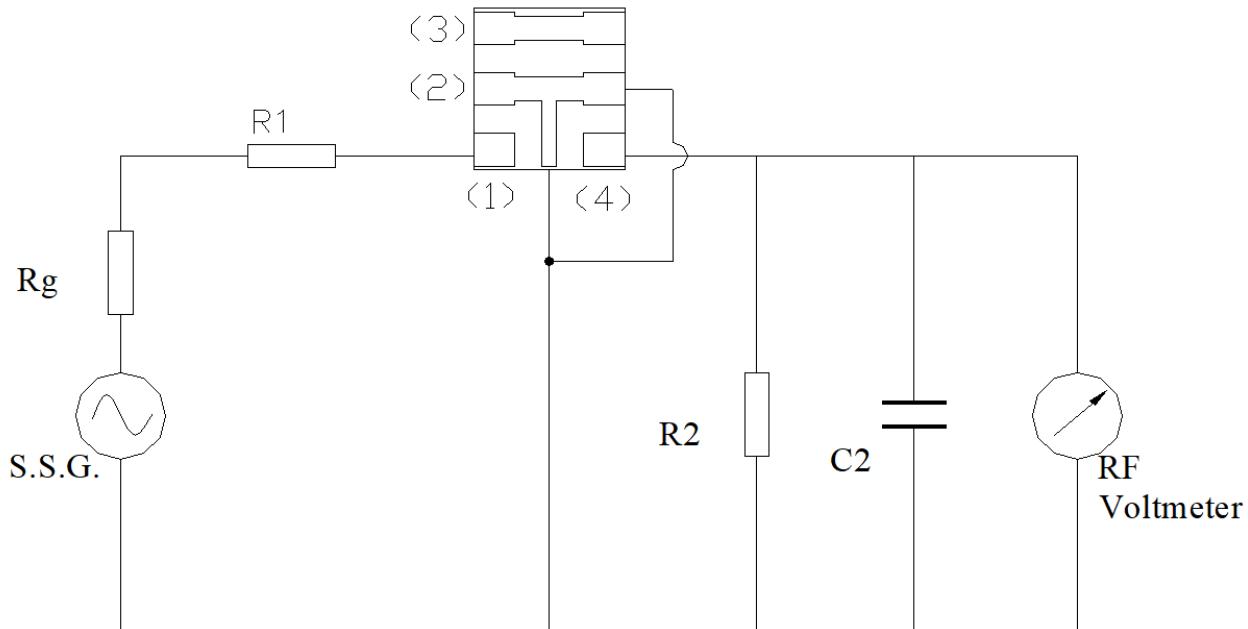


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Measurement Circuit



R1=280Ω (1±5%,) R2=330Ω (1±5%,) Rg=50Ω
C2=10pF (Including stray capacitance and capacitance of RF Voltmeter)

S.S.G.: Output Voltmeter

①: Input ②: Ground ③: Float ④: Output

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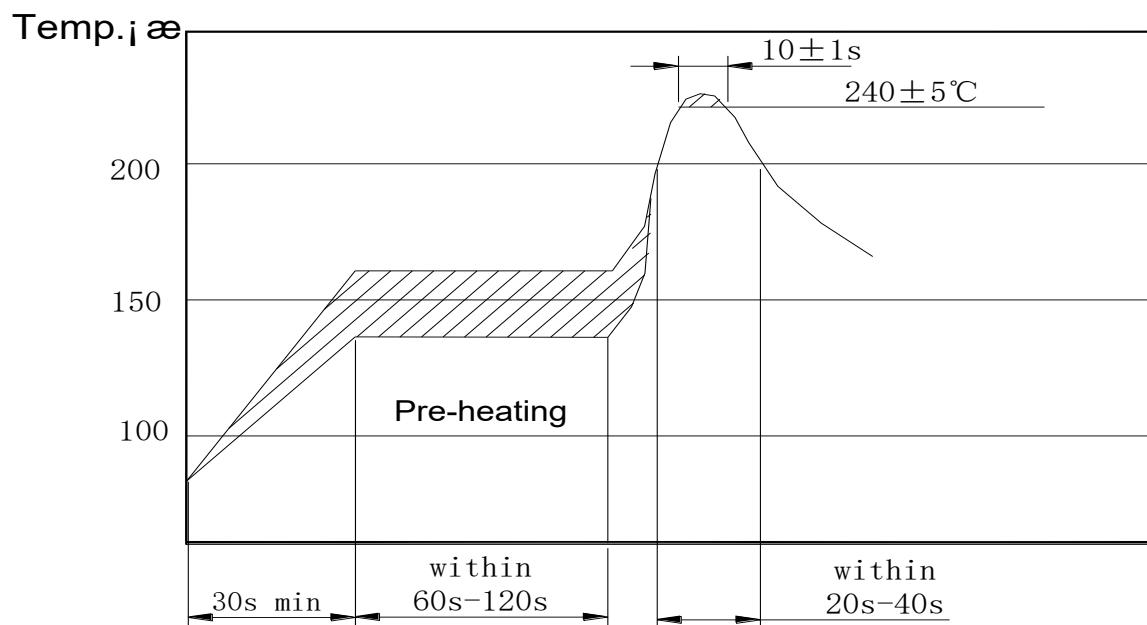


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Reflow Profile



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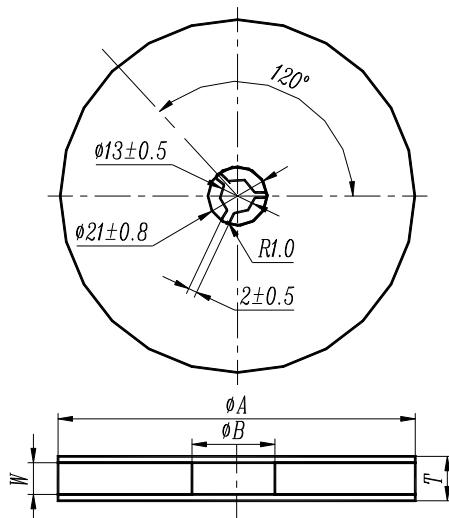
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Packaging

Tape & Reel



Ø A	Ø B	W	T	Pieces per reel	Carrier tape size
180±3	60min	12.4min	19.4max	1000typ.	12

Quantity of package

Per plastic reel 1000 pieces of piezoelectric ceramic part

Per inner box 5 reels

Per package 12 inner boxes

(60000 pieces of piezoelectric ceramic part)

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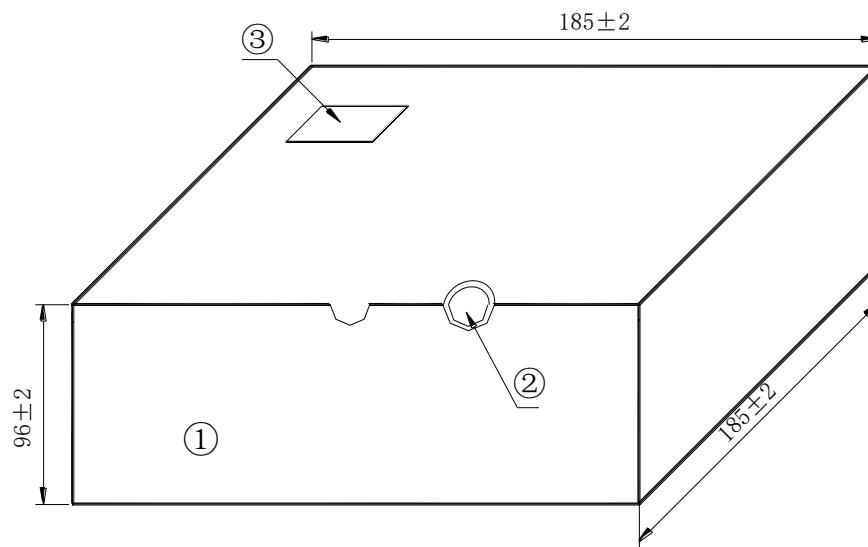


3.45 x 3.1 x 1.4 mm

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Inner Box Dimensions



NO.	Name	Quantity
(1)	Inner Box	1
(2)	QC Label	1
(3)	Label	1

ATTENTION: Abracan LLC's products are Commercial-Off-The-Shelf ('COTS'), which are designed, intended, and validated for use in commercial, industrial, and automotive applications. The customer is responsible for testing and verifying the performance of an Abracan solution to meet their system-level requirements.



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