

# 3-terminal Filters(SMD) For Power Line

#### **Conformity to RoHS Directive**

### ACH Series ACH32C Type

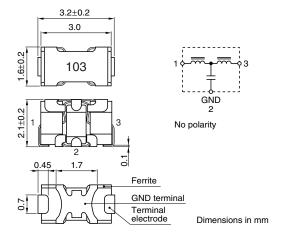
#### **FEATURES**

- These T-type EMC filters comprise ferrite beads and chip capacitors and are engineered to handle high current levels.
- They provide highly effective EMC suppression.
- Because their structures are almost entirely ferrite, they exhibit excellent attenuation characteristics.
- Because guarantee temperature range is -40 to +125°C, it is possible to use in strict environmental condition.
- · Available for reflow soldering.

#### **APPLICATIONS**

Home electronic equipment, (TVs, VCRs, CD players, DAT players, electric musical instruments, PCs, etc.), office automation equipment (computers, terminals, stand-alone word processors, fax machines, etc.), factory automation equipment (robots, numerical control devices, process controllers, etc.), automotive electronics (car navigation, ECU, etc.)

### SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM



#### PRODUCT IDENTIFICATION

ACH	32C	- 103	- T	
(1)	(2)	(3)	(4)	(5)

- (1) Series name
- (2) Dimensions

32C: 3216 type(3.2×1.6mm)

(3) Capacitance 103: 10000pF (4) Packaging style

> T: ø180mm reel taping TL: ø330mm reel taping

(5) TDK internal code

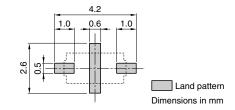
#### **TEMPERATURE RANGES**

Operating/Storage	-40 to +125°C

#### **PACKAGING STYLE AND QUANTITIES**

Packaging style	Reel	Quantity
Toning	ø180mm	2000 pieces/reel
Taping	ø330mm	10000 pieces/reel

## RECOMMENDED PC BOARD PATTERN REFLOW SOLDERING





- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- Please contact our Sales office when your application are considered the following:

  The device's failure or malfunction may directly endanger human life (e.g. application for automobile/aircraft/medical/nuclear power devices, etc.)

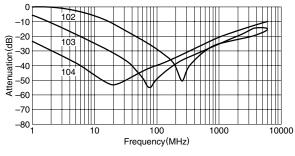
All specifications are subject to change without notice.

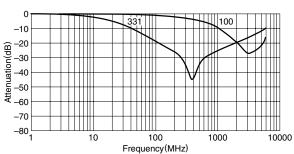


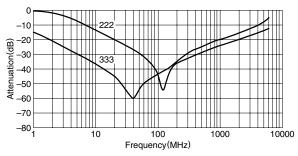
#### **ELECTRICAL CHARACTERISTICS**

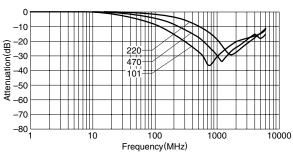
Part No.	Rated voltage Edc(V)max.	Rated current (A)max.	Insulation resistance $(M\Omega)$ min.	DC resistance $(m\Omega)$ max.	Guaranteed attenuation (dB)	Guaranteed frequency bandwidth (MHz)
ACH32C-100-T001	50	6	100	2	-15	2000 to 6000
ACH32C-220-T001	50	6	100	2	-15	1300 to 2500
ACH32C-470-T001	50	6	100	2	-15	650 to 2500
ACH32C-101-T001	50	6	100	2	-20	450 to 1300
ACH32C-331-T001	50	6	100	2	-20	200 to 800
ACH32C-102-T001	50	6	100	2	-25	100 to 350
ACH32C-222-T001	50	6	100	2	-25	55 to 300
ACH32C-103-T001	50	6	100	2	-25	30 to 200
ACH32C-333-T001	50	6	100	2	-25	10 to 300
ACH32C-104-T001	50	6	100	2	-25	3.5 to 200

# TYPICAL ELECTRICAL CHARACTERISTICS ATTENUATION vs. FREQUENCY CHARACTERISTICS (Glass epoxy coated double side mounting PCB)

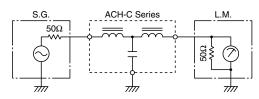








#### **CIRCUIT DIAGRAM**



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