

Common Mode Filters

For power line

ACP series

Type: ACP3225 [1210 inch]*
 * Dimensions Code [EIA]

Issue date: February 2012

- All specifications are subject to change without notice.
- 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.

Common Mode Filters

For Power Line

ACP Series ACP3225

FEATURES

- A chip-type common mode filter for DC power lines.
- Capable of achieving reduction in power consumption and improvement of noise suppression effect, due to its Low DC resistance and high common mode impedance.
- Low profile and compact shape, it is suited for surface mounting.
- It is a product conforming to RoHS directive.

APPLICATIONS

- For power line noise suppression of all types of electronic devices
- For noise suppression of adapter lines or battery lines of notebook computers and portable game consoles

TEMPERATURE RANGES

Operating	-25 to +85°C
Storage(After mount)	-25 to +85°C

PACKAGING STYLE AND QUANTITIES

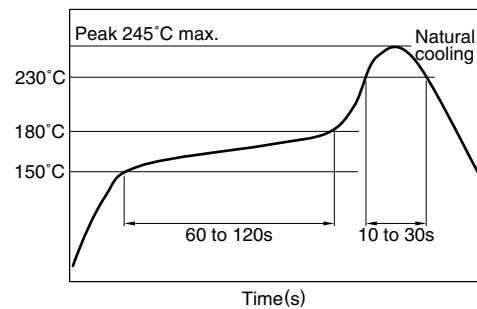
Packaging style	Reel	Quantity
Taping	ø180mm	1000 pieces/reel
	ø330mm	5000 pieces/reel

PRODUCT IDENTIFICATION

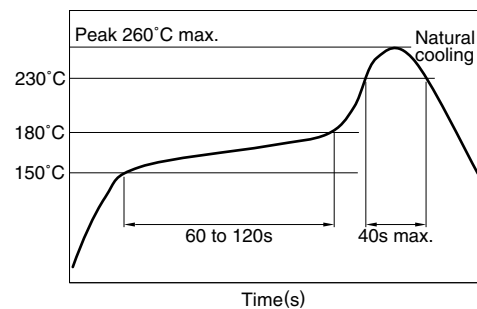
ACP	3225	-	102	-	2P	-	T	-	□□□
(1)	(2)		(3)		(4)		(5)		(6)

- (1) Series name
- (2) Dimensions W×T
3225: 3.2×2.5mm
- (3) Impedance [at 100MHz]
102: 1000Ω
- (4) Numbers of lines
2P: 2-line
- (5) Packaging style
T: ø180mm reel taping
TL: ø330mm reel taping
- (6) TDK internal code

RECOMMENDED SOLDERING CONDITIONS RECOMMENDED TEMPERATURE PROFILE FOR LEAD-FREE SOLDER



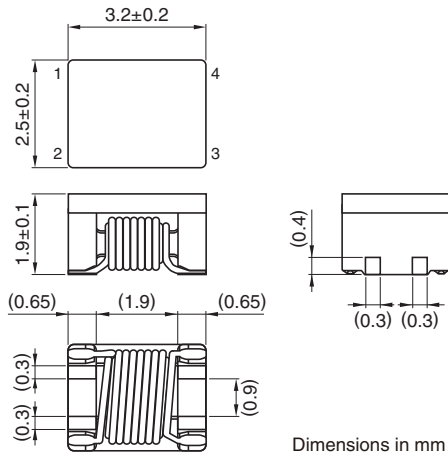
REFLOW PROFILE FOR SOLDER HEAT RESISTANCE



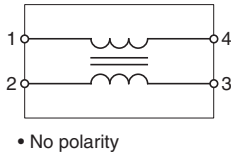
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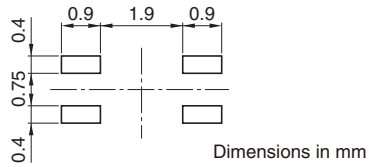
SHAPES AND DIMENSIONS



CIRCUIT DIAGRAM



RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Part No.	Common mode impedance (Ω)[at 100MHz]	DC resistance (Ω)max. [1 line]	Rated current I_{dc} (A)max.	Rated voltage E_{dc} (V)max.	Insulation resistance (M Ω)min.
ACP3225-102-2P	1000±25%	0.10	1.2	60	10

TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

