

Pulse Transformers/SMD Type

ALT4532

FEATURES

- The ALT4532 Series is a wound chip type pulse transformer developed for LANs.
- Compatible with 10BASE-T, 100BASE-TX, and 1000BASE-T.
- · High-quality product with automatic winding.
- Product conforming to RoHS directive.

APPLICATIONS

LAN interface portion of various devices such as network devices, communication devices, and digital home appliances

PRODUCT IDENTIFICATION

- (1) Series name
- (2) Dimensions L×W
- (3) Inductance[at 100kHz/DC bias=8mA]

201 : 200µH min.

(4) Packaging style

T: ø330mm reel taping

(5) TDK internal code

SPECIFICATIONS

Temperature range	Operating	-40 to +85°C
remperature range	Storage(After mount)	-40 to +85°C

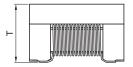
PACKAGING STYLE AND QUANTITIES

Packaging style	Reel	Quantity
Taping	ø180mm	2000 pieces/reel

SHAPES AND DIMENSIONS



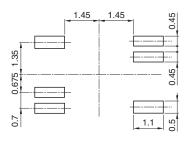




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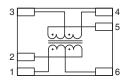
Туре	L	W	Т
ALT4532-171-T001	4.5±0.2	3.2±0.2	2.2max.
ALT4532-201-T001	4.5±0.2	3.2±0.2	2.9max.

RECOMMENDED PC BORARD PATTERN



Dimensions in mm

MEASURING CIRCUIT



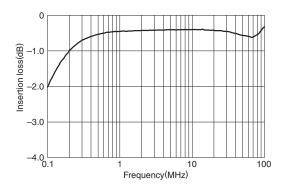
ELECTRICAL CHARACTERISTICS

Part No.	Turns ratio ①⑥②:⑤③④	Inductance (μH)min. [DC bias 8mA, 100kHz] ①-② ⑤-④	Insertion loss (dB)max. [0.1 to 100MHz] ①②-⑤④	Inter-winding stray capacitance (pF)max. [100kHz]
ALT4532-171-T001	1CT : 1CT	170	2.5	35
ALT4532-201-T001	1CT : 1CT	200	1.5	35

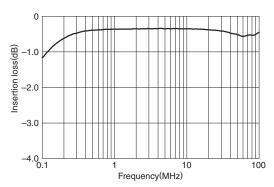
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- All specifications are subject to change without notice.



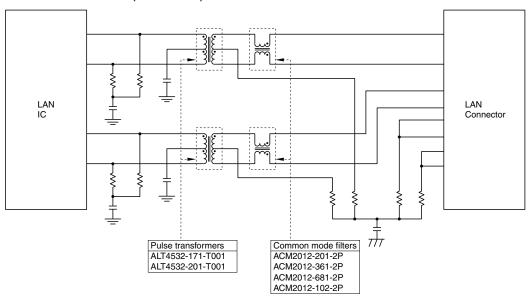
TYPICAL ELECTRICAL CHARACTERISTICS INSERTION LOSS vs. FREQUENCY CHARACTERISTICS ALT4532-171-T001



ALT4532-201-T001



TYPICAL APPLICATIONS (100BASE-TX)



Note) Peripheral circuits differ depending on the IC used; check the circuits with the application note of the IC, etc.