⊗TDK

Step-up Transformers

Wound SMD

ATB series

Type: ATB3225 [1210inch]*
* Dimensions Code JIS[EIA]

Issue date: December 2011

• 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.

Step-up Transformers Wound SMD

ATB Series ATB3225

FEATURES

- · Small step-up transformers developed for Xenon circuits.
- ATB3225 is smaller than existing step-up transformer products and enables a reduction of mounting surfaces.
- Achieves stable charging characteristics through an automatic wire winding function that allows for stable winding.
- · Realizes high reliability through process automation.
- It is a product conforming to RoHS directive.

APPLICATIONS

Xenon Flash, HAPTICS

SHAPES AND DIMENSIONS





				Dimensions in mm		
	L	W	Т	Α	В	С
ATB322515	3.2±0.3	2.5±0.3	1.55 max.	0.45	0.50	1.37
ATB322524	3.2±0.3	2.5±0.3	2.4 max.	0.45	0.50	1.37

RECOMMENDED PC BORARD PATTERN



Dimensions in mm

CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

ATB	322515	-	0110	-	Т	000
(1)	(2)	-	(3)		(4)	(5)

(1) Series name

(2) Dimensions L×W×T

(3) Turns ratio

0110: 1 : 10

- (5) Packaging style
- T: Taping ø180mm reel
- (6) TDK internal code

TEMPERATURE RANGE

Operating	-40 to +85°C	
Storage(After mount)	–40 to +85°C	

PACKAGING STYLE AND QUANTITIES

Packaging style	Reel	Quantity
Taping	ø180mm	1000 pieces/reel

RECOMMENDED SOLDERING CONDITIONS RECOMMENDED TEMPERATURE PROFILE FOR LEAD-FREE SOLDER



REFLOW PROFILE FOR SOLDER HEAT RESISTANCE



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ELECTRICAL CHARACTERISTICS

Part No. Tu	Turno ratio	Inductance	DC resistance(Ω)		Leakage inductance	Withstanding	Rated
	Turns ratio	(µH)[at100kHz]	Primary	Secondary	(µH)[at100kHz]	voltage	current
ATB322515	1:10	7.0±20%	0.4max.	60max.	0.4max.	500V rms	0.6A rms
ATB322524	1:10.2	7.0±20%	0.4max.	60max.	0.4max.	500V rms	0.7A rms

TYPICAL ELECTRICAL CHARACTERISTICS INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS ATB322515-0110-****



ATB322524-0110-****

