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.

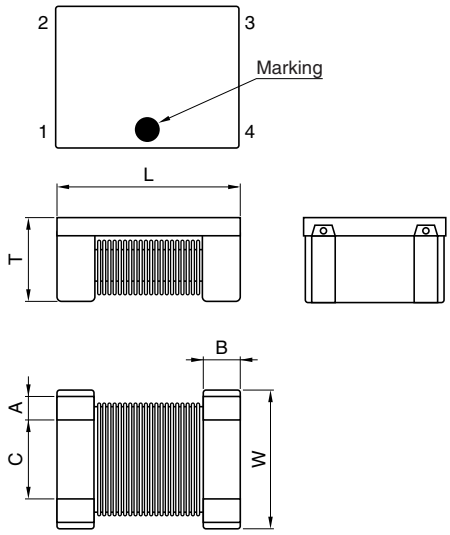
Step-up Transformers
Wound SMD

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

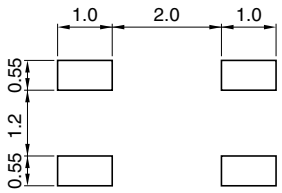
SHAPES AND DIMENSIONS



Dimensions in mm

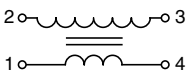
	L	W	T	A	B	C
ATB322515	3.2±0.3	2.5±0.3	1.55 max.	0.45	0.50	1.37
ATB322524	3.2±0.3	2.5±0.3	2.4 max.	0.45	0.50	1.37

RECOMMENDED PC BORARD PATTERN



Dimensions in mm

CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

ATB	322515	-	0110	-	T	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

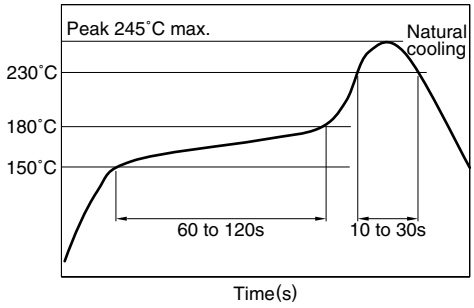
TEMPERATURE RANGE

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

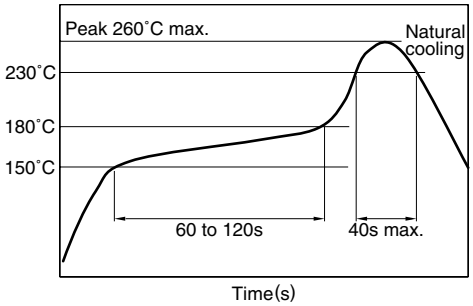
PACKAGING STYLE AND QUANTITIES

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



- 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.

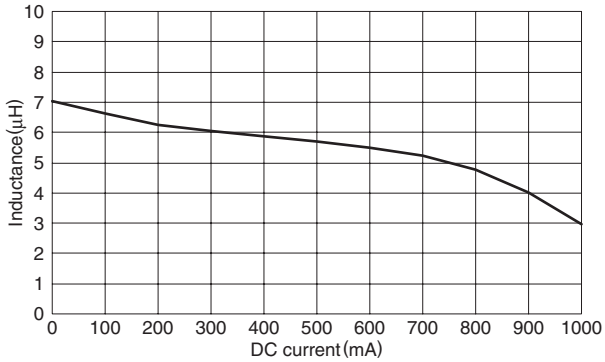
ELECTRICAL CHARACTERISTICS

Part No.	Turns ratio	Inductance (μH)[at100kHz]	DC resistance(Ω)		Leakage inductance (μH)[at100kHz]	Withstanding voltage	Rated current
			Primary	Secondary			
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-****

