

Wound Chip Baluns

ATB Series

Type: **ATB3225-75011CT (3.2×2.5×2.3mm)**
 ATB3225-75032CT (3.2×2.5×2.3mm)
 ATB3225-75034CT (3.2×2.5×2.3mm)

Issue date: June 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.

Wound Chip Baluns

Conformity to RoHS Directive

ATB Series ATB3225-75011CT

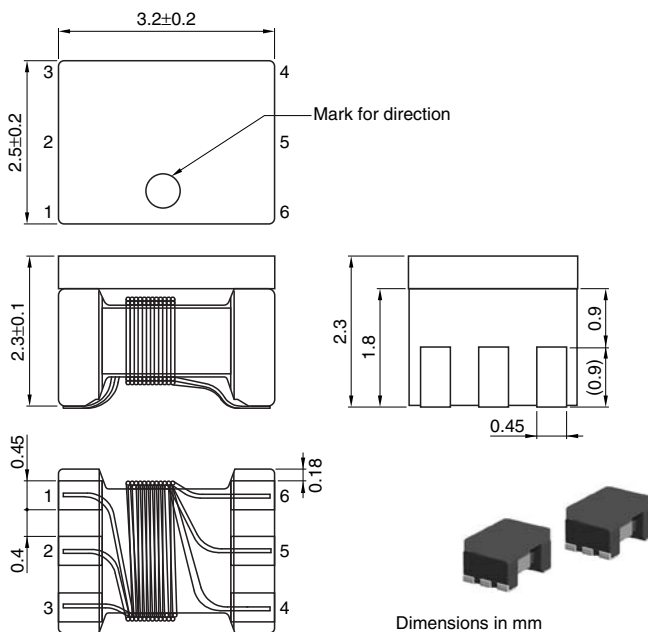
FEATURES

- Case size of ATB3225 is L3.2×W2.5×H2.3mm.
- This case size is smaller than traditional Balun.
- Frequency band width is 5 to 200MHz.
- Low insertion loss and good balance parameter.
- It is a product conforming to RoHS directive.

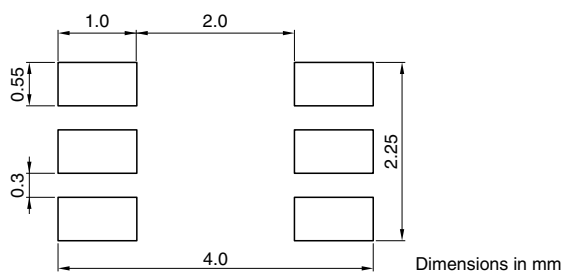
APPLICATIONS

Cable modems

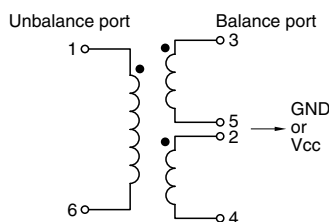
SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

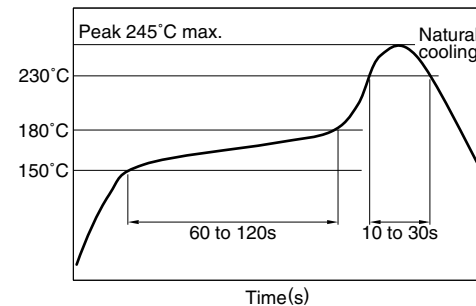
ATB	3225	- 750	11	CT
(1)	(2)	(3)	(4)	(5)

- (1) Series name
 (2) Case size
 (3) Impedance[at 100MHz]
 750: 75Ω
 (4) Impedance ratio
 11 → 1:1
 (5) Type
 CT: Center tap

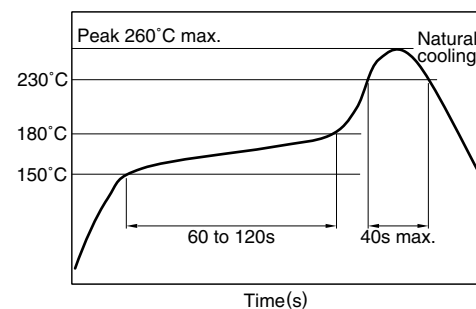
TEMPERATURE RANGES

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

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.

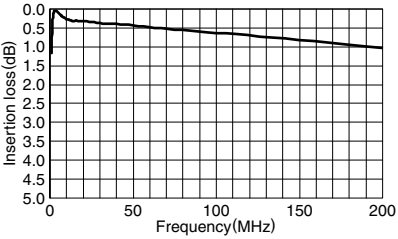
• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

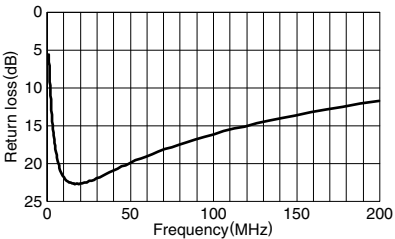
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75011CT	0.7	1:1 (75 Ω :75 Ω)	5 to 200	0.8	1.5	10	0.5	180 $\pm$ 5

FREQUENCY CHARACTERISTICS

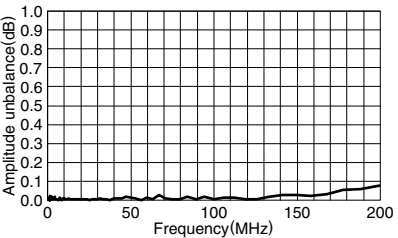
INSERTION LOSS



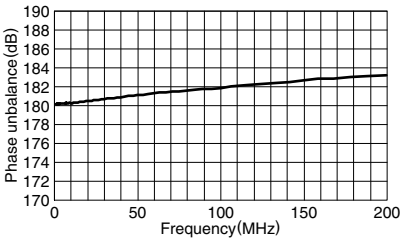
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



Wound Chip Baluns

Conformity to RoHS Directive

ATB Series ATB3225-75032CT

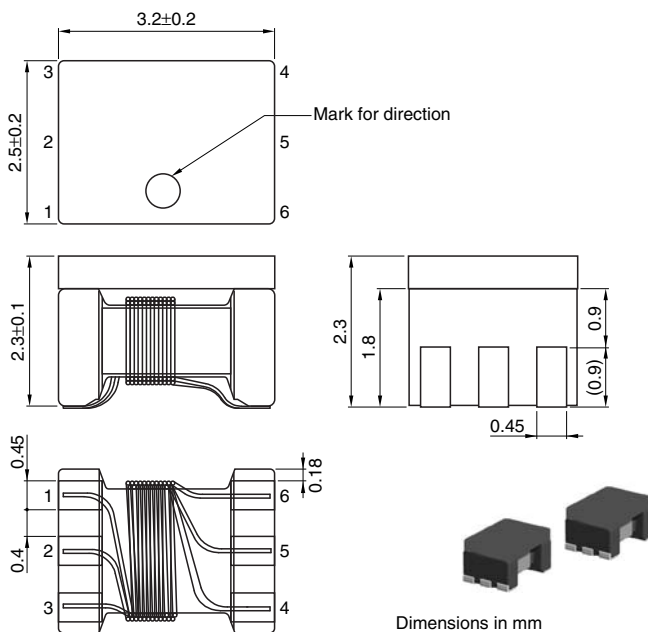
FEATURES

- Case size of ATB3225 is L3.2×W2.5×H2.3mm.
- This case size is smaller than traditional Balun.
- Frequency band width is 5 to 100MHz.
- Low insertion loss and good balance parameter.
- It is a product conforming to RoHS directive.

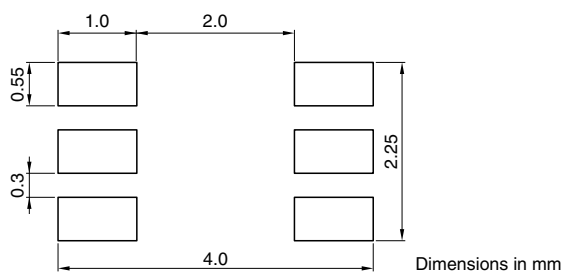
APPLICATIONS

Cable modems

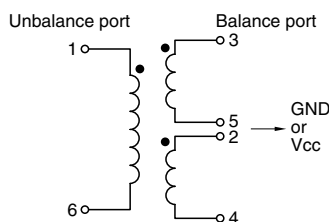
SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

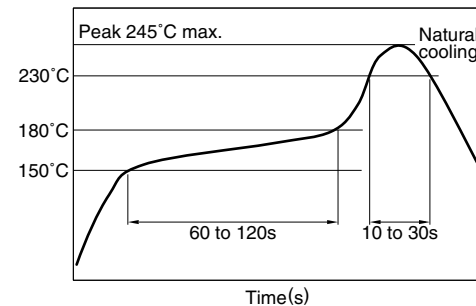
ATB	3225	- 750	32	CT
(1)	(2)	(3)	(4)	(5)

- (1) Series name
- (2) Case size
- (3) Impedance[at 100MHz]
750: 75Ω
- (4) Impedance ratio
32 → 3:2
- (5) Type
CT: Center tap

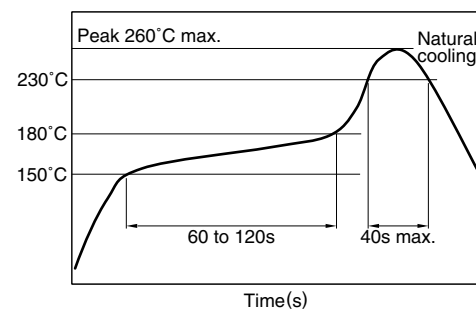
TEMPERATURE RANGES

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

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.

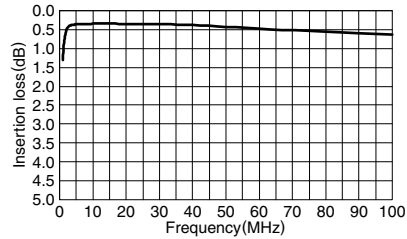
• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

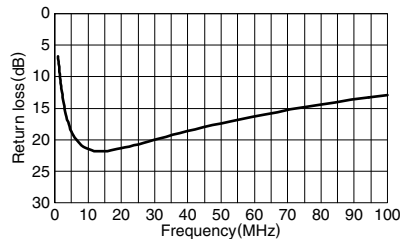
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75032CT	0.7	3:2 (75 Ω :50 Ω)	5 to 100	0.8	2	5	1	180 $\pm$ 10

FREQUENCY CHARACTERISTICS

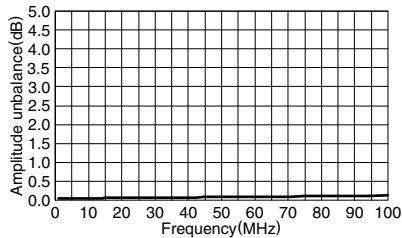
INSERTION LOSS



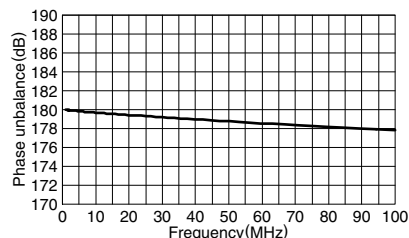
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



• All specifications are subject to change without notice.

Wound Chip Baluns

Conformity to RoHS Directive

ATB Series ATB3225-75034CT

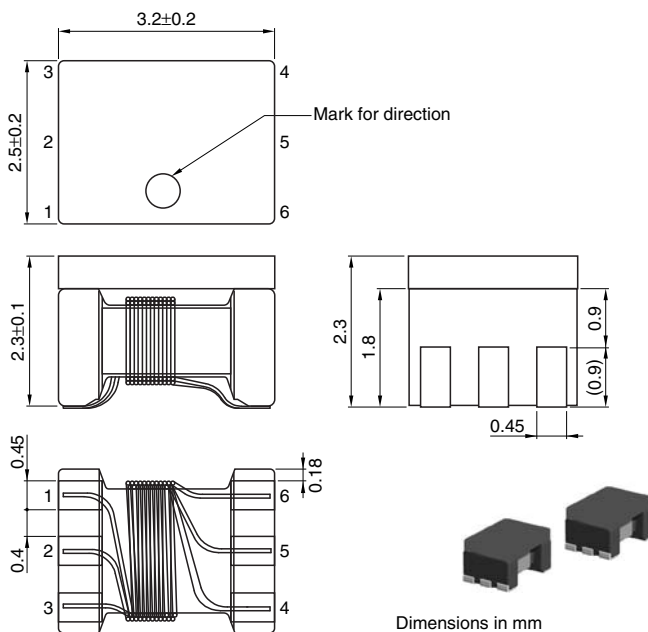
FEATURES

- Case size of ATB3225 is L3.2×W2.5×H2.3mm.
- This case size is smaller than traditional Balun.
- Frequency band width is 1 to 100MHz.
- Low insertion loss and good balance parameter.
- It is a product conforming to RoHS directive.

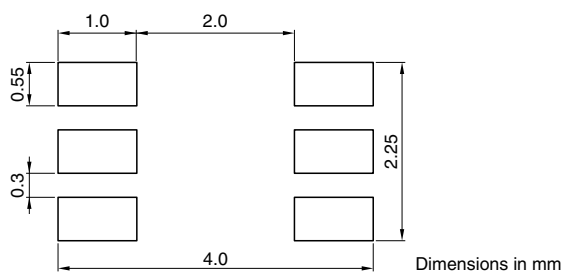
APPLICATIONS

Cable modems

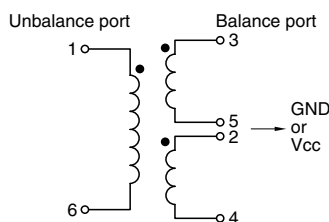
SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

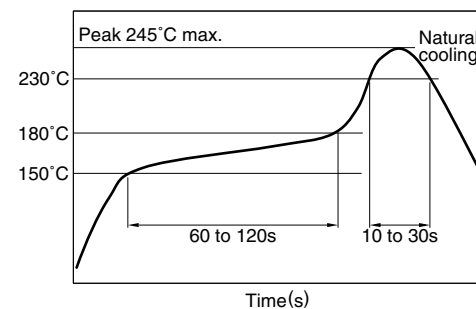
ATB	3225	- 750	34	CT
(1)	(2)	(3)	(4)	(5)

- (1) Series name
- (2) Case size
- (3) Impedance[at 100MHz]
750: 75Ω
- (4) Impedance ratio
34 → 3:4
- (5) Type
CT: Center tap

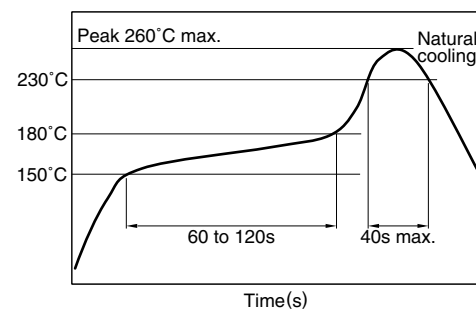
TEMPERATURE RANGES

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

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.

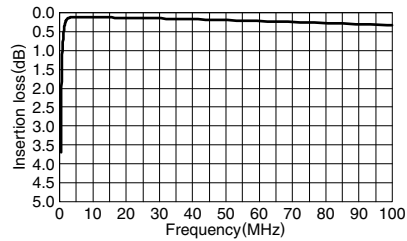
• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

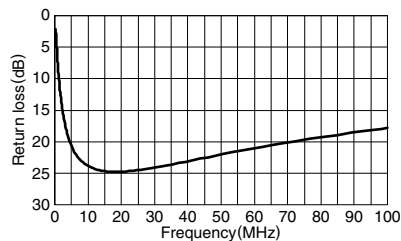
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75034CT	0.7	3:4 (75 Ω :100 Ω)	1 to 100	0.5	2	5	1	180 $\pm$ 10

FREQUENCY CHARACTERISTICS

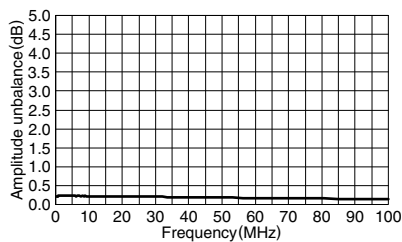
INSERTION LOSS



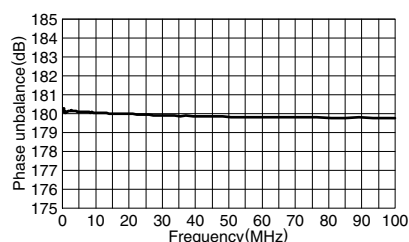
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



• All specifications are subject to change without notice.



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331