

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

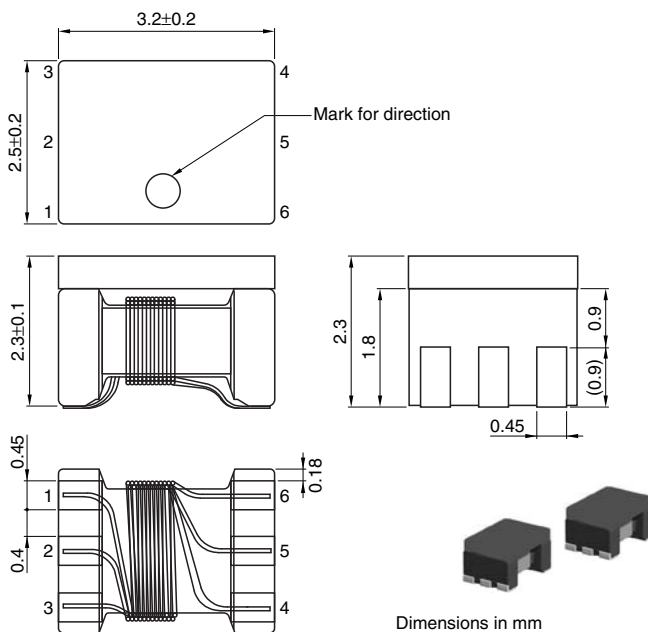
FEATURES

- 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.

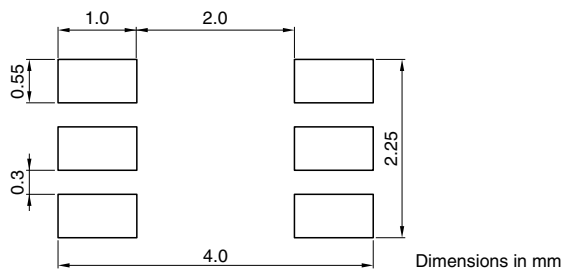
APPLICATIONS

Cable modems

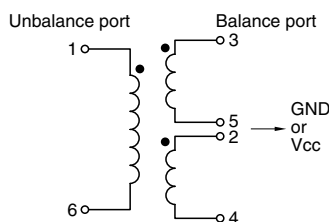
SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

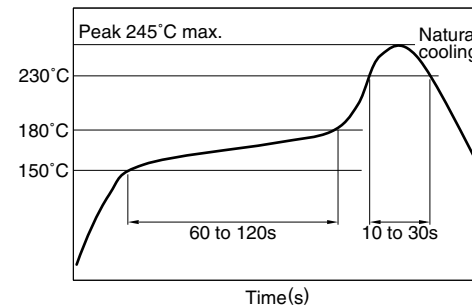
ATB	3225	- 750	11	CT
(1)	(2)	(3)	(4)	(5)

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

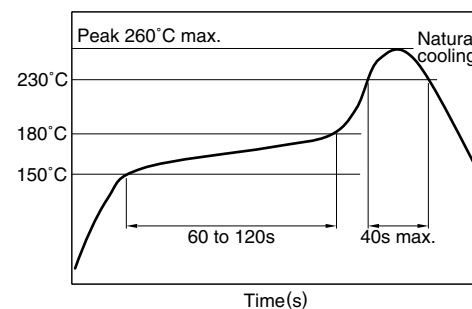
TEMPERATURE RANGES

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.

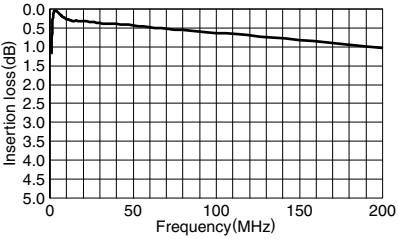
• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

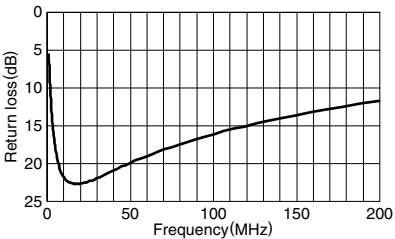
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75011CT	0.7	1:1 (75 Ω :75 Ω)	5 to 200	0.8	1.5	10	0.5	180 $\pm$ 5

FREQUENCY CHARACTERISTICS

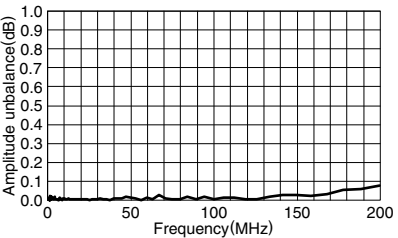
INSERTION LOSS



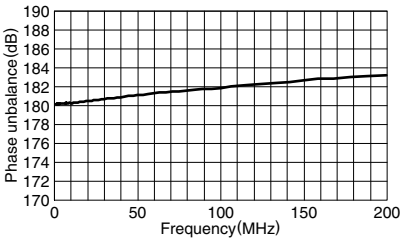
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



Wound Chip Baluns

Conformity to RoHS Directive

ATB Series ATB3225-75032CT

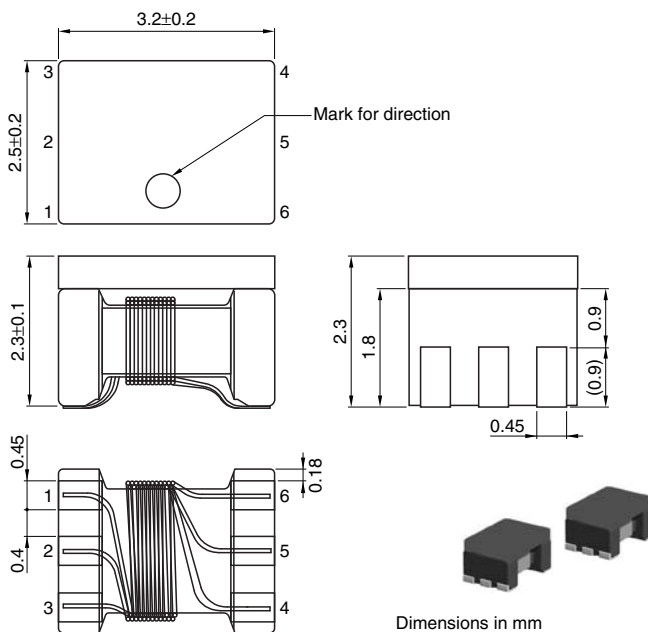
FEATURES

- 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.

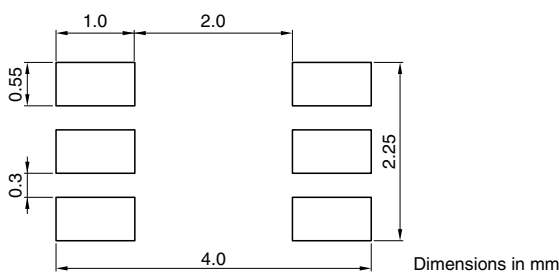
APPLICATIONS

Cable modems

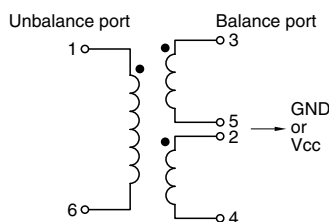
SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

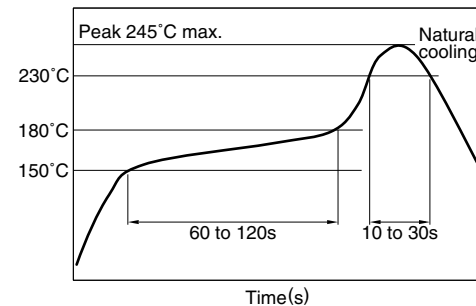
ATB	3225	- 750	32	CT
(1)	(2)	(3)	(4)	(5)

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

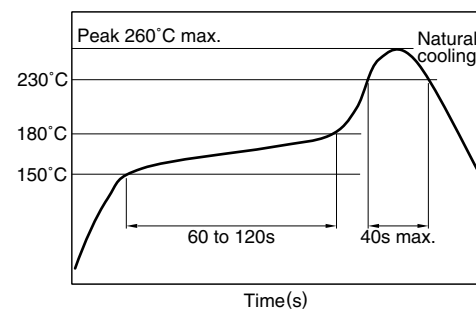
TEMPERATURE RANGES

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.

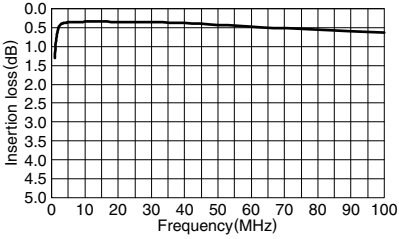
• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

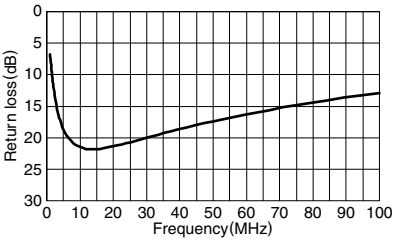
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75032CT	0.7	3:2 (75 Ω :50 Ω)	5 to 100	0.8	2	5	1	180 $\pm$ 10

FREQUENCY CHARACTERISTICS

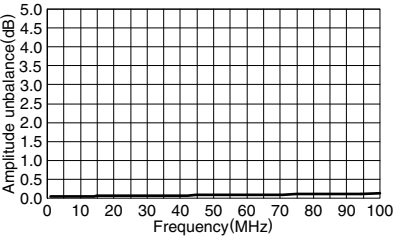
INSERTION LOSS



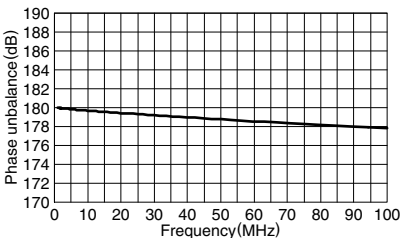
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



Wound Chip Baluns

Conformity to RoHS Directive

ATB Series ATB3225-75034CT

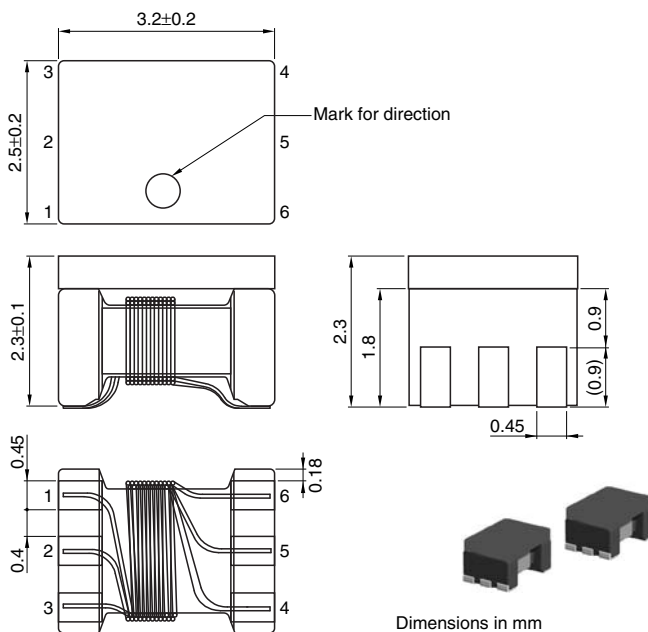
FEATURES

- 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.

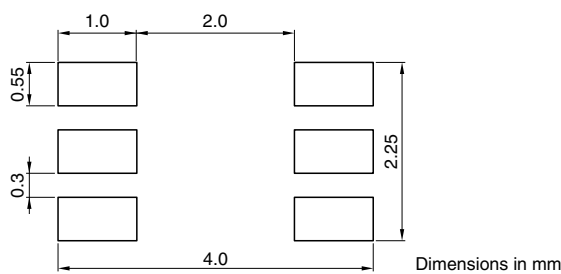
APPLICATIONS

Cable modems

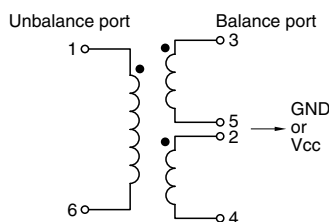
SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

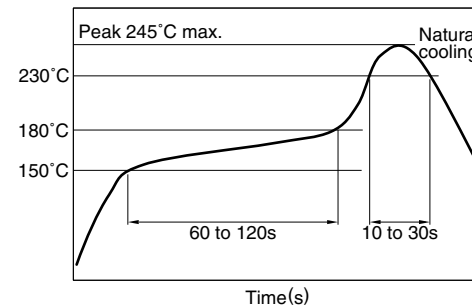
ATB	3225	- 750	34	CT
(1)	(2)	(3)	(4)	(5)

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

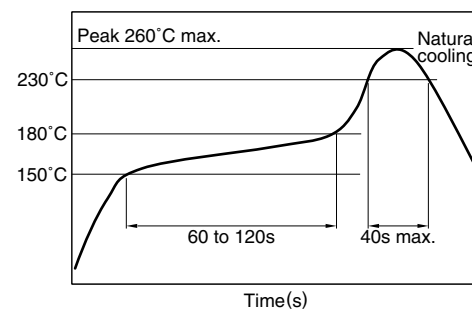
TEMPERATURE RANGES

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.

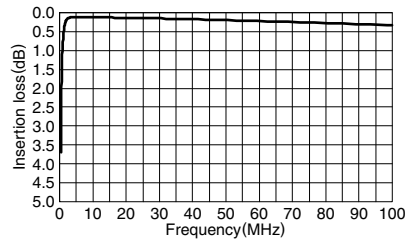
• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

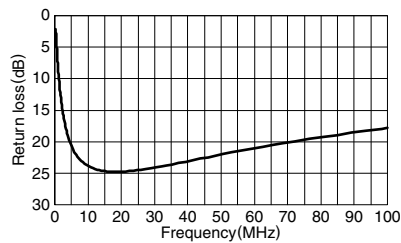
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75034CT	0.7	3:4 (75 Ω :100 Ω)	1 to 100	0.5	2	5	1	180 $\pm$ 10

FREQUENCY CHARACTERISTICS

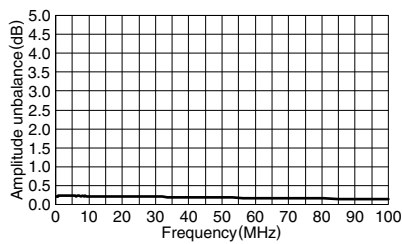
INSERTION LOSS



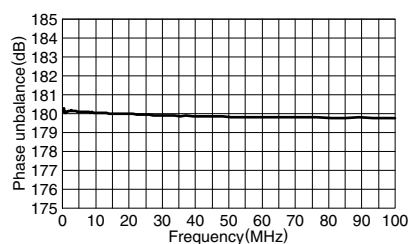
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



• All specifications are subject to change without notice.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9