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

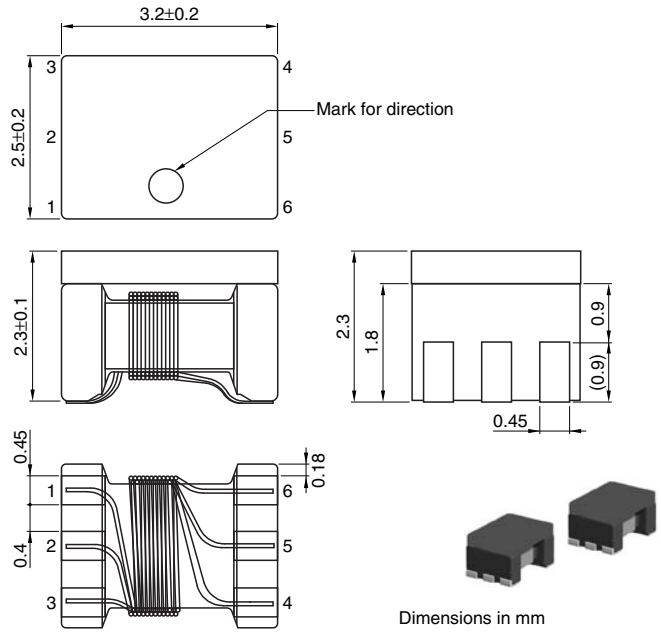
FEATURES

- 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

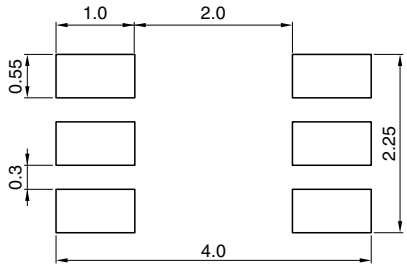
Cable modems

SHAPES AND DIMENSIONS



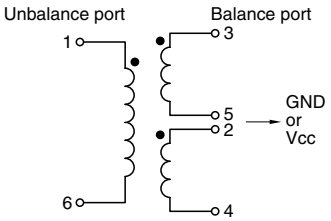
Dimensions in mm

RECOMMENDED PC BORARD PATTERN



Dimensions in mm

CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

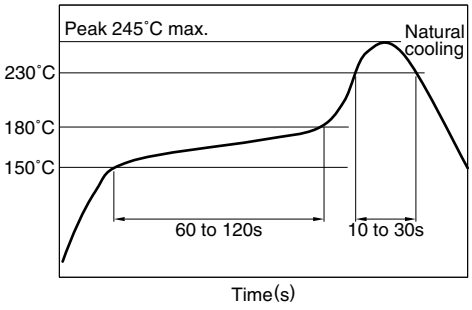
ATB	3225	-	750	11	CT
(1)	(2)		(3)	(4)	(5)

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

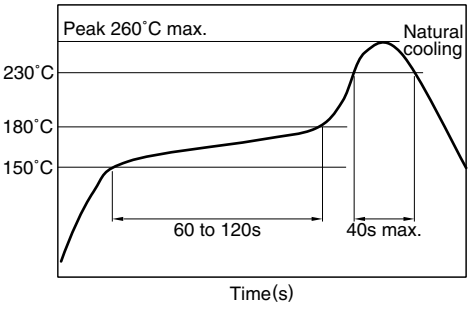
TEMPERATURE RANGES

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



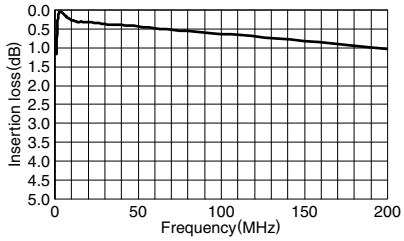
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

ELECTRICAL CHARACTERISTICS

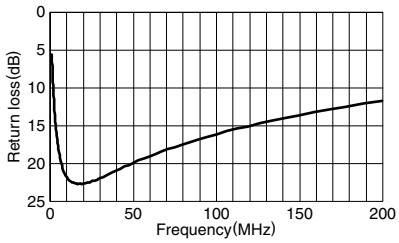
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75011CT	0.7	1:1 (75Ω:75Ω)	5 to 200	0.8	1.5	10	0.5	180±5

FREQUENCY CHARACTERISTICS

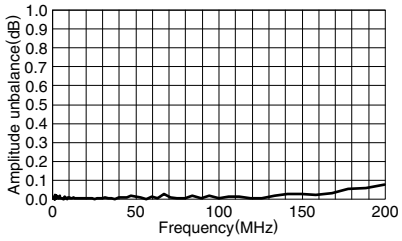
INSERTION LOSS



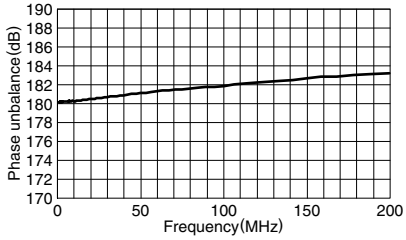
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



Wound Chip Baluns

Conformity to RoHS Directive

ATB Series ATB3225-75032CT

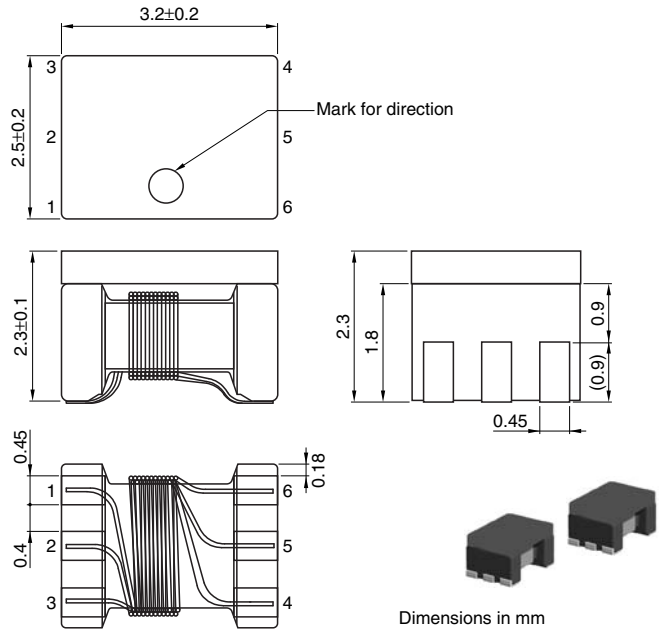
FEATURES

- 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

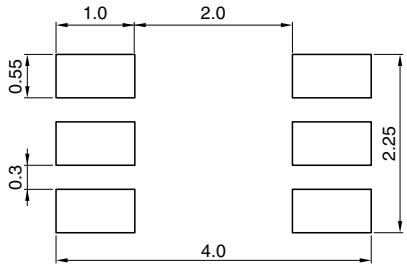
Cable modems

SHAPES AND DIMENSIONS



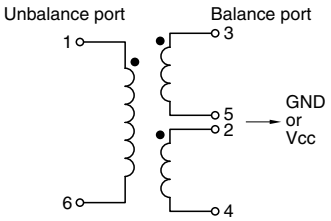
Dimensions in mm

RECOMMENDED PC BORARD PATTERN



Dimensions in mm

CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

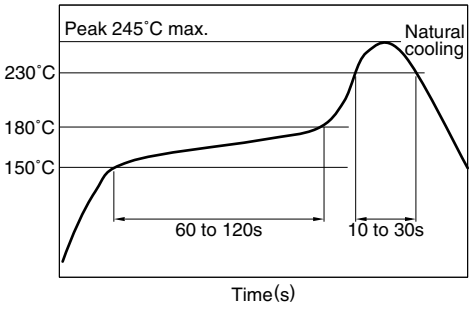
ATB	3225	-	750	32	CT
(1)	(2)		(3)	(4)	(5)

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

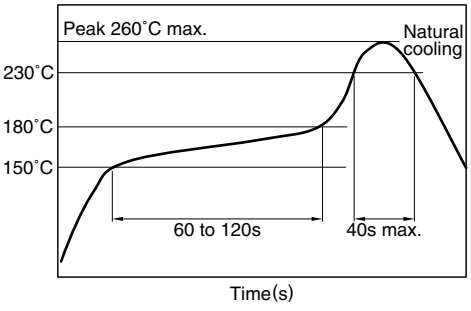
TEMPERATURE RANGES

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



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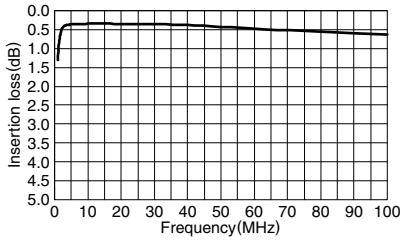
ELECTRICAL CHARACTERISTICS

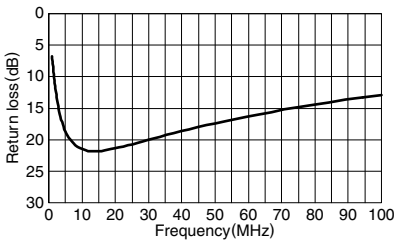
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75032CT	0.7	3:2 (75Ω:50Ω)	5 to 100	0.8	2	5	1	180±10

FREQUENCY CHARACTERISTICS

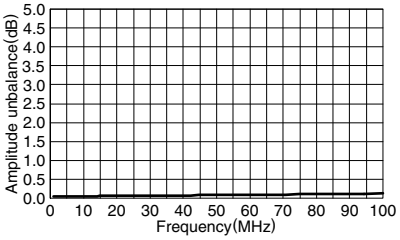
INSERTION LOSS



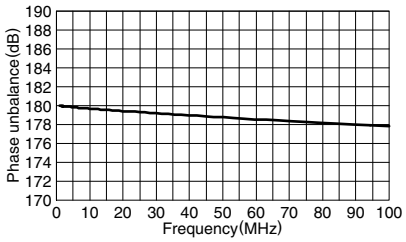
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



Wound Chip Baluns

Conformity to RoHS Directive

ATB Series ATB3225-75034CT

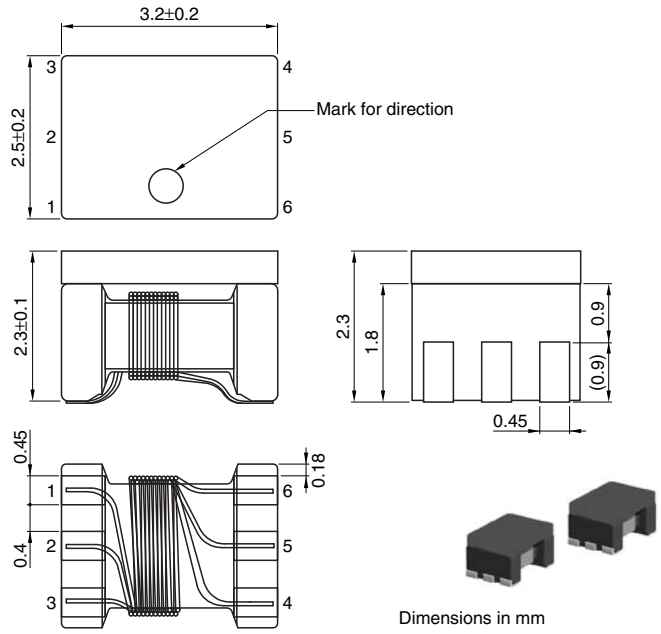
FEATURES

- 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

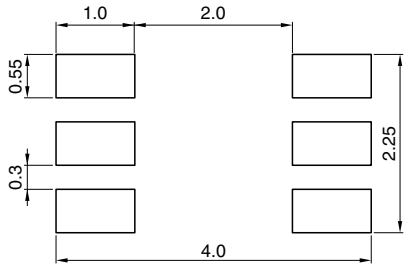
Cable modems

SHAPES AND DIMENSIONS



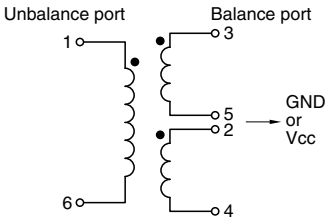
Dimensions in mm

RECOMMENDED PC BORARD PATTERN



Dimensions in mm

CIRCUIT DIAGRAM



PRODUCT IDENTIFICATION

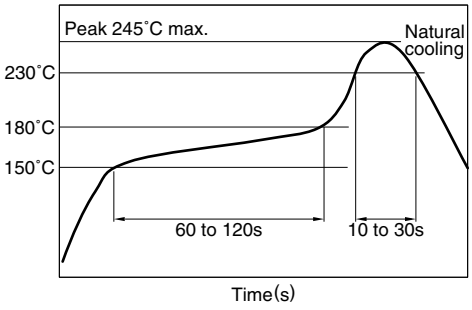
ATB	3225	-	750	34	CT
(1)	(2)		(3)	(4)	(5)

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

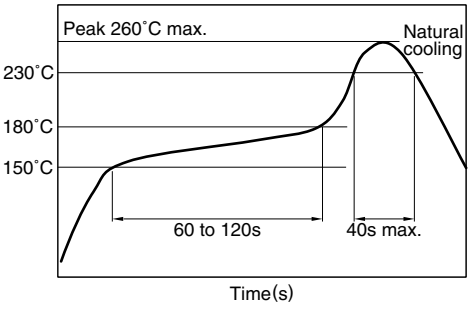
TEMPERATURE RANGES

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



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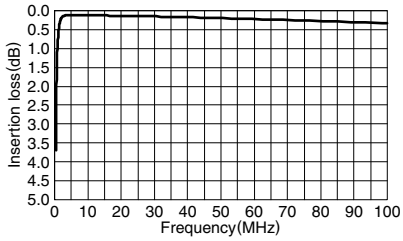
ELECTRICAL CHARACTERISTICS

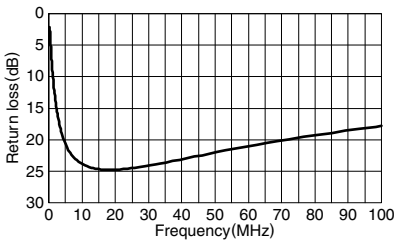
Part No.	DC resistance (Ω)max.	Impedance ratio	Frequency range (MHz)	Insertion loss (dB)		Return loss (dB)min.	Amplitude unbalance (dB)max.	Phase unbalance (deg.)
				typ.	max.			
ATB3225-75034CT	0.7	3:4 (75Ω:100Ω)	1 to 100	0.5	2	5	1	180±10

FREQUENCY CHARACTERISTICS

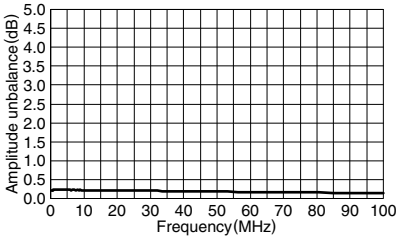
INSERTION LOSS



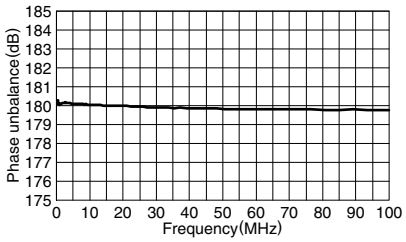
RETURN LOSS



AMPLITUDE UNBALANCE



PHASE UNBALANCE



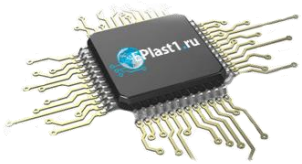
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Электронная почта: org@eplast1.ru
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