Common Mode Filters

For power line

ACM series

Type:	**ACM4520**	**[1808 inch]***
	ACM7060	**[2824 inch]**
	ACM9070	**[3628 inch]**
	ACM1211	**[4844 inch]**
	ACM1513	**[6052 inch]**

*** Dimensions Code [EIA]**

Issue date: March 2013

- 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.

Common Mode Filters For Power Line

Conformity to RoHS Directive

ACM Series ACM4520

FEATURES

- Several large current products are prepared to correspond to the various applications.
- Low profile and compact shape, it is suited for surface mounting.
- It shows high common mode impedance despite of its compact shape.

APPLICATIONS

Radiation noise suppression for power line (DVC, DVD cam, DSC, etc.)

TEMPERATURE RANGES

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

PACKAGING STYLE AND QUANTITIES

Packaging style	Reel	Quantity
Taping	ø180mm	800 pieces/reel
	ø330mm	2500 pieces/reel

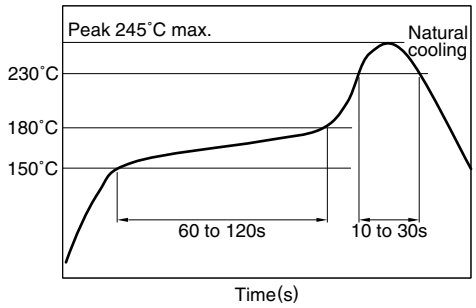
PRODUCT IDENTIFICATION

ACM	4520	-	901	-	2P	-	T	-	□□□
(1)	(2)		(3)		(4)		(5)		(6)

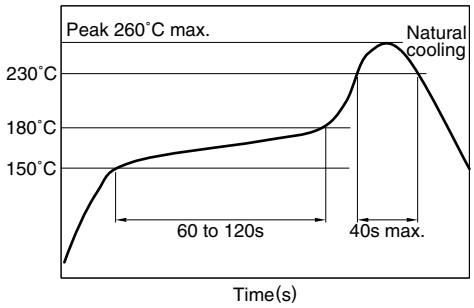
(1) Series name
(2) Dimensions W×T
4520: 4.5×2.0mm
(3) Impedance [at 100MHz]
901: 900Ω
(4) Numbers of lines
2P: 2-line
(5) Packaging style
T: ø180mm reel taping
TL: ø330mm reel taping
(6) TDK internal code

RECOMMENDED SOLDERING CONDITIONS

RECOMMENDED TEMPERATURE PROFILE FOR LEAD-FREE SOLDER



REFLOW PROFILE FOR SOLDER HEAT RESISTANCE



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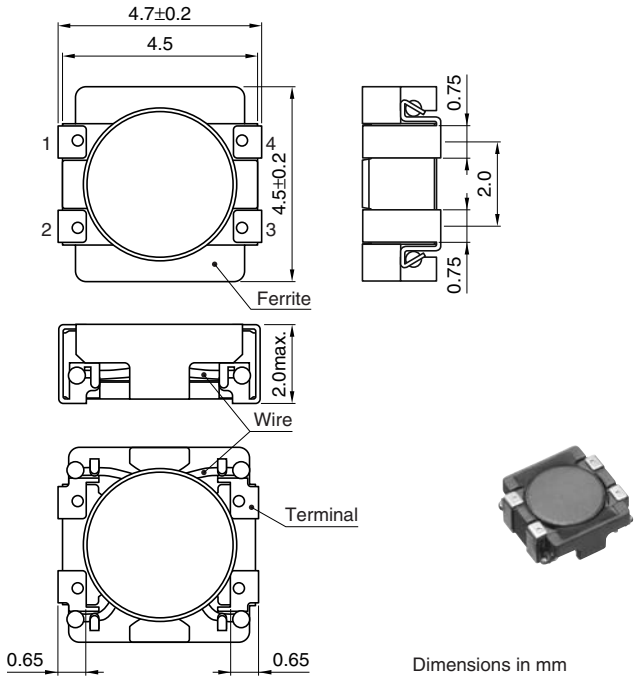
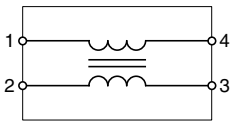
SHAPES AND DIMENSIONS



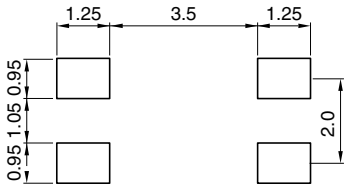
Dimensions in mm

CIRCUIT DIAGRAM



• No polarity

RECOMMENDED PC BOARD PATTERN



Dimensions in mm

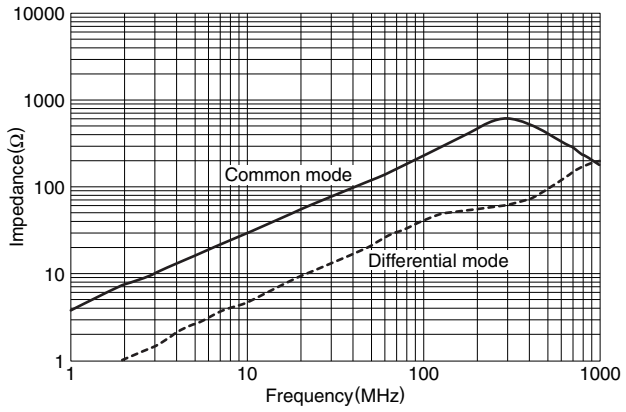
ELECTRICAL CHARACTERISTICS

Part No.	Common mode impedance (Ω)[at 100MHz]		DC resistance (Ω)max. [1 line]	Rated current Idc (A)max.		Rated voltage Edc (V)max.	Insulation resistance (MΩ)min.
	min.	typ.		60°C	85°C		
ACM4520-231-2P	180	230	0.05	3.0	2.6	50	10
ACM4520-421-2P	300	420	0.055	2.8	2.4	50	10
ACM4520-901-2P	650	900	0.06	2.3	2.0	50	10
ACM4520-142-2P	1000	1400	0.08	1.7	1.5	50	10

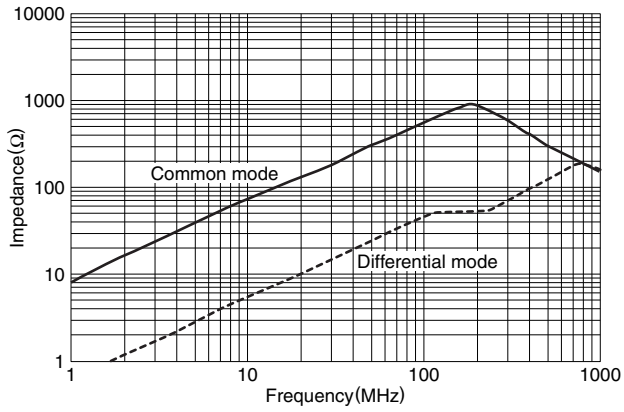
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

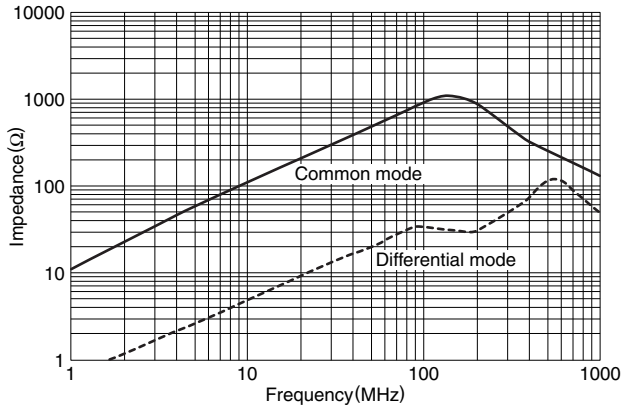
ACM4520-231-2P



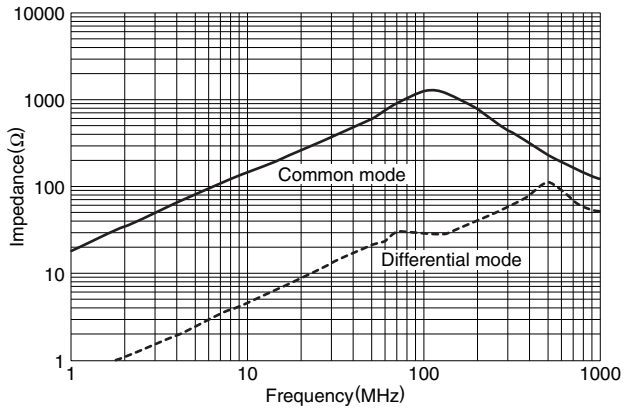
ACM4520-421-2P



ACM4520-901-2P



ACM4520-142-2P



Common Mode Filters For Power Line

Conformity to RoHS Directive

ACM Series ACM7060, 9070, 1211, 1513

FEATURES

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 to 1000Ω at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current (up to 10A) of any chip-type common mode filter.
- Height and size have been considered, resulting in a compact and light-weight choke coil. Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- The products contain no lead and also support lead-free soldering.
- This product does not contain regulated substances that are slated to be included in RoHS.

APPLICATIONS

Used for power line noise suppression for any electronic devices
Used to counter adapter/battery line noise for relatively large electronic devices such as notebook PCs, stand-alone word processors, etc

TEMPERATURE RANGES

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

PACKAGING STYLE AND QUANTITIES

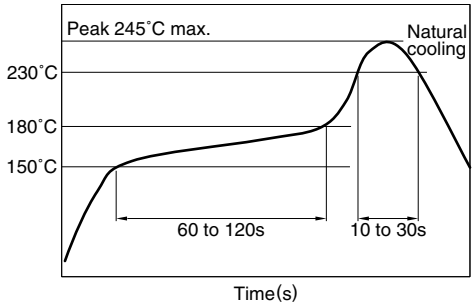
Packaging style	Type	Reel	Quantity
Taping	ACM7060	ø330mm	1500 pieces/reel
	ACM9070	ø330mm	800 pieces/reel
	ACM1211	ø330mm	500 pieces/reel
	ACM1513	ø330mm	500 pieces/reel

PRODUCT IDENTIFICATION

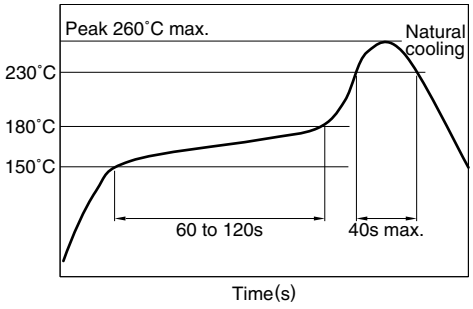
ACM	7060	- 701	- 2PL	- TL	□□□
(1)	(2)	(3)	(4)	(5)	(6)

(1) Series
(2) Dimensions L×W
7060: 7.0×6.0mm
(3) Impedance[at 100MHz]
701: 700Ω
(4) Number of lines
2PL: 2-line
(5) Packaging style
T: ø180mm reel taping
TL: ø330mm reel taping
(6) TDK internal code

RECOMMENDED SOLDERING CONDITIONS
RECOMMENDED TEMPERATURE PROFILE FOR LEAD-FREE SOLDER



REFLOW PROFILE FOR SOLDER HEAT RESISTANCE



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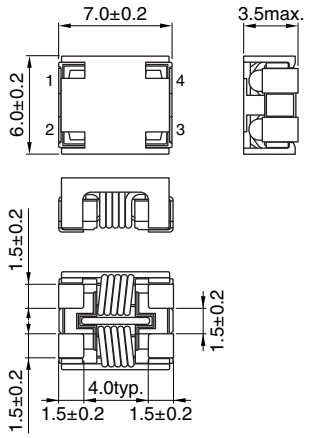
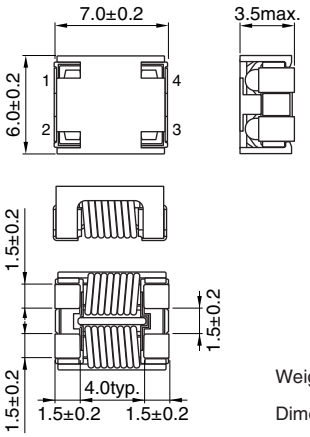
SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN(REFLOW SOLDERING)

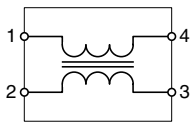
ACM7060 TYPE

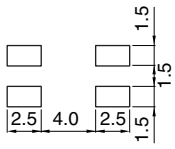
ACM7060-301-2PL-TL01



ACM7060-701-2PL-TL01







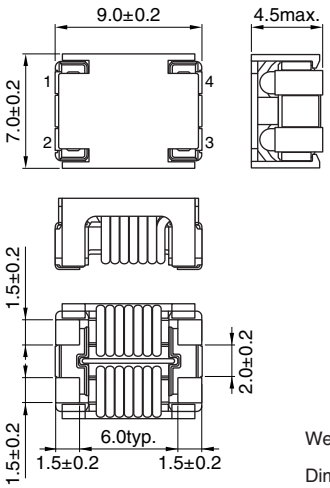
Dimensions in mm

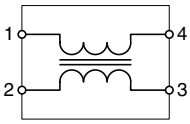
Weight: 0.35g

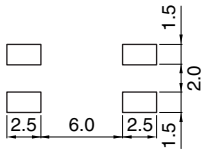
Dimensions in mm

ACM9070 TYPE

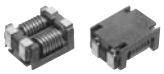
ACM9070-701-2PL-TL01







Dimensions in mm



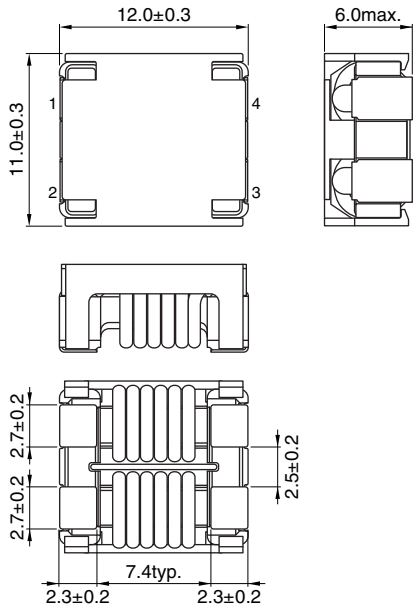
Weight: 0.82g

Dimensions in mm

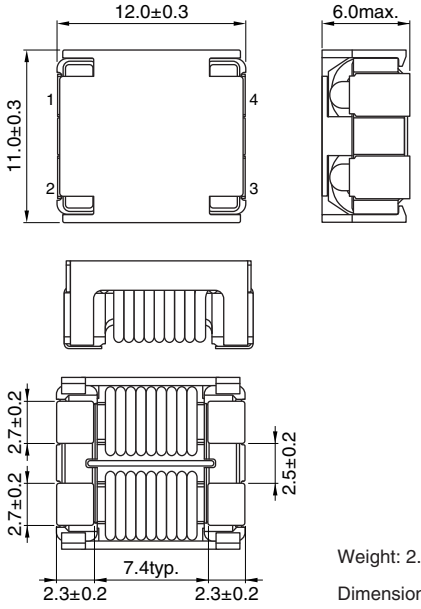
SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN(REFLOW SOLDERING)

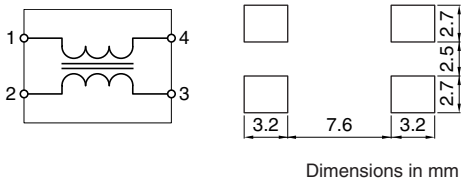
ACM1211 TYPE

ACM1211-701-2PL-TL01

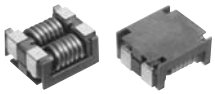


ACM1211-102-2PL-TL01





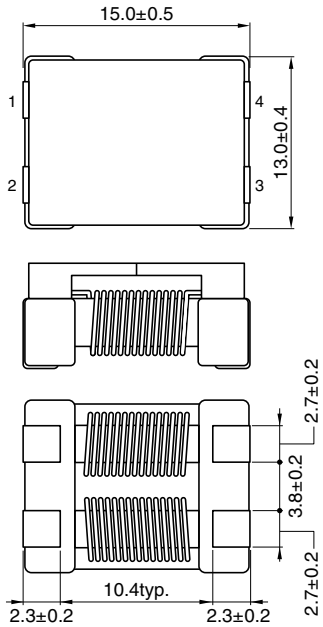
Dimensions in mm

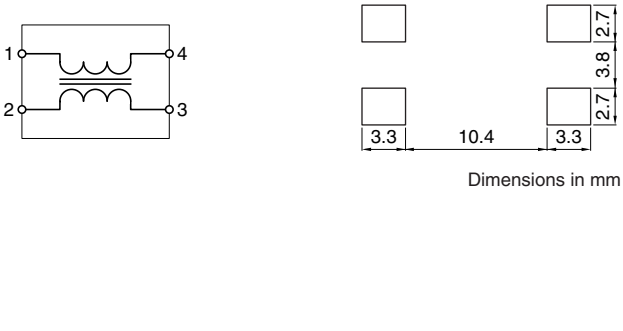


Weight: 2.20g

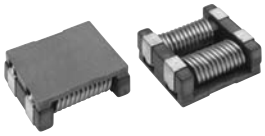
Dimensions in mm

ACM1513 TYPE





Dimensions in mm



Weight: 3.15g

Dimensions in mm

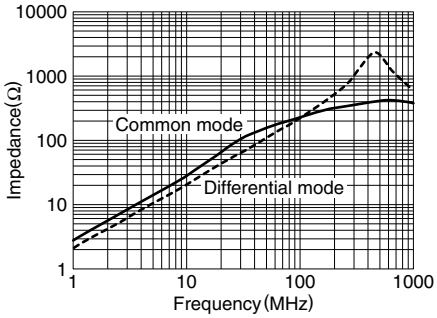
ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)[at 100MHz]		DC resistance (mΩ)max.	Rated current Idc(A)max.	Insulation resistance (MΩ)min.	Rated voltage Edc(V)max.
	min.	typ.				
ACM7060-301-2PL-TL01	225	300	10	5	10	80
ACM7060-701-2PL-TL01	500	700	15	4	10	80
ACM9070-701-2PL-TL01	500	700	10	5	10	80
ACM1211-701-2PL-TL01	500	700	6	8	10	80
ACM1211-102-2PL-TL01	750	1000	14	6	10	80
ACM1513-551-2PL-TLHF	450	550	4	10	10	50

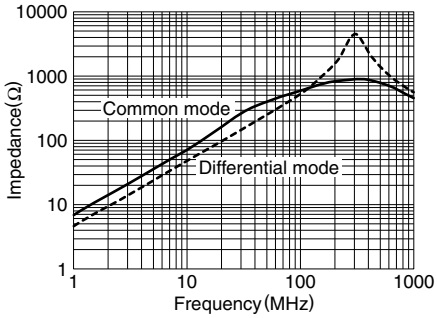
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

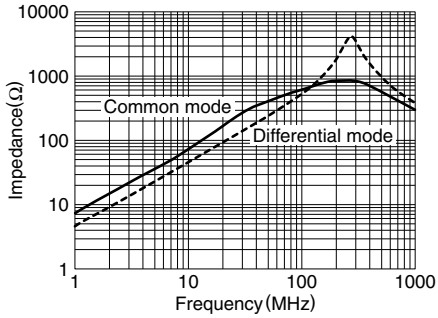
ACM7060-301-2PL-TL01



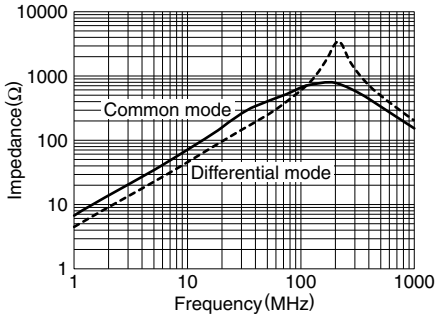
ACM7060-701-2PL-TL01



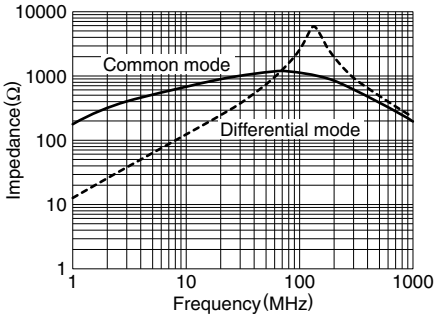
ACM9070-701-2PL-TL01



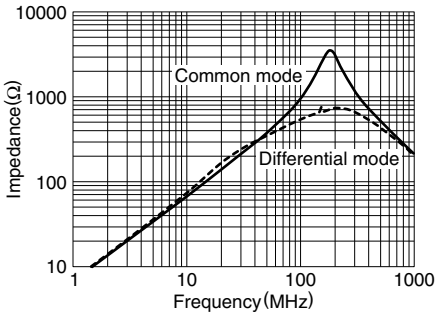
ACM1211-701-2PL-TL01



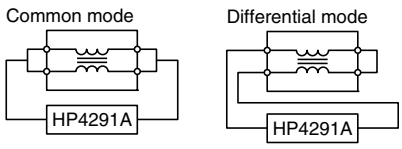
ACM1211-102-2PL-TL01



ACM1513-551-2PL-TLHF



MEASURING CIRCUITS



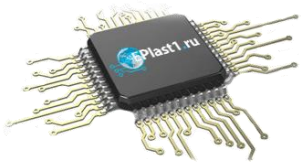
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.