TDK

Common Mode Filters(SMD)
For Power Line

Conformity to RoHS Directive

ACM Series ACM4520 Type

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 RANGE

Operating	–40 to +85°C

PACKAGING STYLE AND QUANTITIES

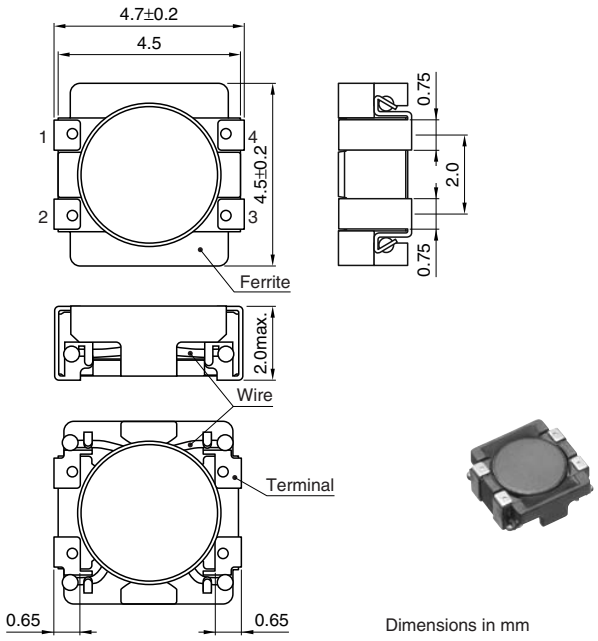
Packaging style	Reel	Quantity
Taping	ø180mm	800 pieces/reel
	ø330mm	2500 pieces/reel

PRODUCT IDENTIFICATION

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

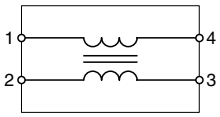
(1) Series name
(2) Dimensions W×T
4520: 4.5×2.0mm
(3) Impedance [at 100MHz]
901: 900Ω
142: 1400Ω
(4) Numbers of lines
2P: 2-line
(5) Packaging style
T: ø180mm reel taping
TL: ø330mm reel taping
B: Bulk
(6) TDK internal code

SHAPES AND DIMENSIONS



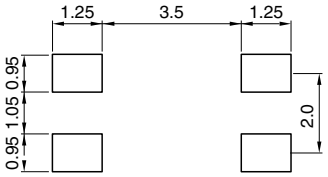
Dimensions in mm

CIRCUIT DIAGRAM



• No polarity

RECOMMENDED PC BOARD PATTERN



Dimensions in mm

- 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.

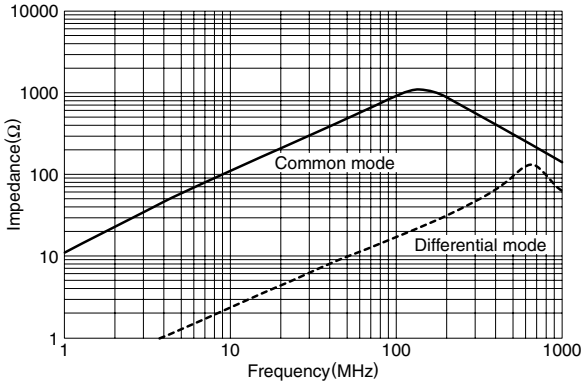
ELECTRICAL CHARACTERISTICS

Part No.	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.				
ACM4520-901-2P	650	900	0.06	2.0	50	10
ACM4520-142-2P	1000	1400	0.08	1.5	50	10

TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

ACM4520-901-2P



ACM4520-142-2P