



EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Common Mode Filters

For high-speed differential signal line/general signal line

ACM series

Type:	ACM2012	[0805 inch]*
	ACM2520	[1008 inch]
		* Dimensions Code [EIA]

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.

Common Mode Filters

Conformity to RoHS Directive

For High-speed Differential Signal Line / General Signal Line

ACM Series ACM2012, 2520

FEATURES

- Although greatly miniaturized, this wire-wound chip-type filter maintains the characteristics needed for a common mode filter. Common mode impedance is 1000Ω [at 100MHz], so this filter is greatly effective in supporting noise.
- Almost no affect upon even high speed signals since differential mode impedance is kept low.
- This series includes both 2-line and 3-line types. They are used for various types of circuits and noise.

APPLICATIONS

- Used for radiation noise suppression for any electronic devices.
- Used to counter common mode noise affecting signals within high-speed lines.
- USB line for personal computers and peripheral equipment.
- IEEE1394 line for personal computers, DVC, STB, etc.
- LVDS, panel link line for liquid crystal display panels.

TEMPERATURE RANGES

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

PACKAGING STYLE AND QUANTITIES

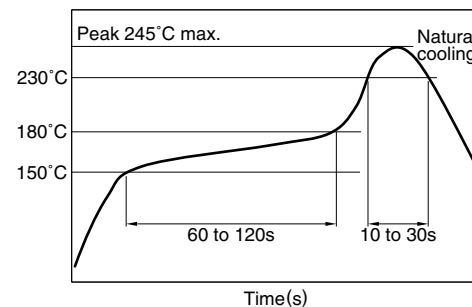
Packaging style	Type	Reel	Quantity
Taping	ACM2012	ø180mm	2000 pieces/reel
		ø330mm	10000 pieces/reel
	ACM2520	ø180mm	2000 pieces/reel
		ø330mm	10000 pieces/reel

PRODUCT IDENTIFICATION

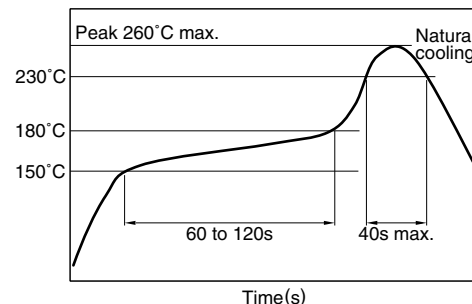
ACM	2012	-	900	-	2P	-	T	□□□
(1)	(2)	(3)	(4)	(5)	(6)			

- (1) Series name
 (2) Dimensions L×W
 2012: 2.0×1.2mm
 (3) Impedance[at 100MHz]
 900: 90Ω
 (4) Number of line
 2P: 2-line
 3P: 3-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



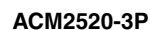
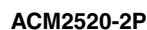
REFLOW PROFILE FOR SOLDER HEAT RESISTANCE



• 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.

ACM2012-2P

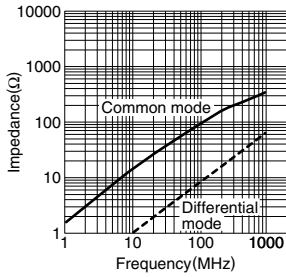
001-04 / 20120610 / e9712_acm

TYPICAL ELECTRICAL CHARACTERISTICS

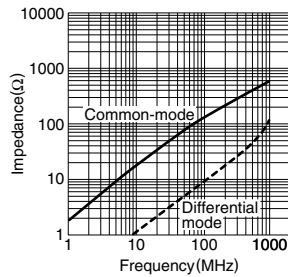
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

2-LINE

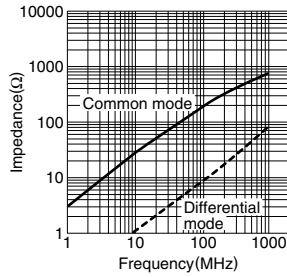
ACM2012-900-2P



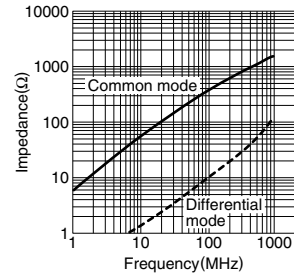
ACM2012-121-2P



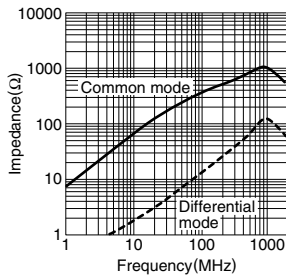
ACM2012-201-2P



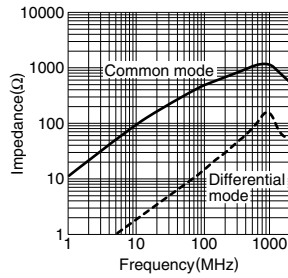
ACM2012-361-2P



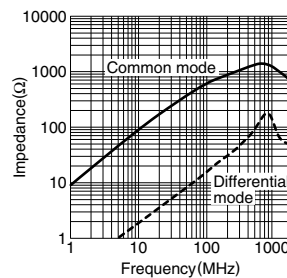
ACM2520-301-2P



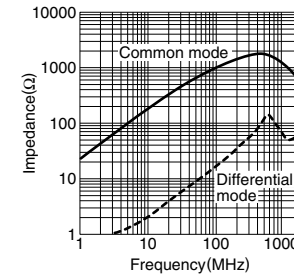
ACM2520-451-2P



ACM2520-601-2P

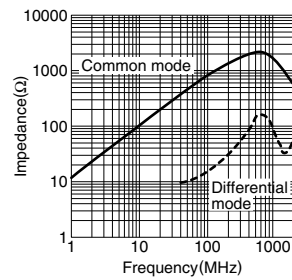


ACM2520-102-2P



3-LINE

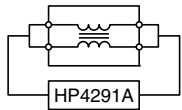
ACM2520-801-3P



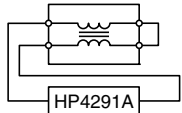
MEASURING CIRCUITS

2-LINE

Common mode

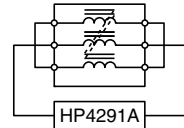


Differential mode



3-LINE

Common mode



Differential mode

