

Common mode filters/Chokes

For power line

ACM series



ACM1513 type



FEATURES

- Chip common mode filter for large current applications.
- For each series, there is excellent common mode impedance and noise suppression in a compact case.
- Compatible with high-density portable devices, which are always being made smaller and lighter, because the height has been reduced.
- Operating temperature range: -40 to +85°C

APPLICATION

- Power line noise countermeasure for various electronic equipment.

PART NUMBER CONSTRUCTION

ACM	1513	-	551	-	2PL	-	TL	HF
Series name	L×W×H dimensions 15.0×13.0×6.0 mm		Impedance (Ω) at 100MHz		Number of lines		Packaging style	Internal code

CHARACTERISTICS SPECIFICATION TABLE

Common mode impedance		DC resistance	Rated current	Insulation resistance	Rated voltage	Part No.
[100MHz] (Ω)min.	(Ω)typ.	[1 line] (mΩ)max.	(A)max.	(MΩ)min.	(V)max.	
450	550	4	10	10	50	ACM1513-551-2PL-TLHF

Measurement equipment

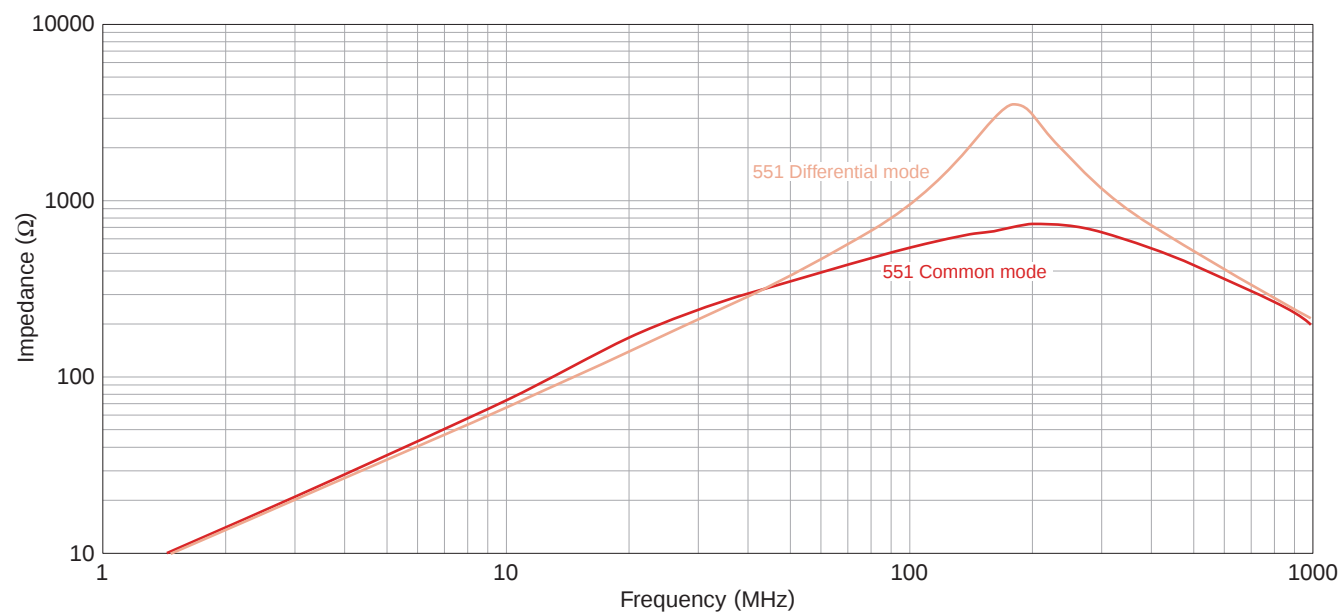
Measurement item	Product No.	Manufacturer
Common mode impedance	4991A	Keysight Technologies
DC resistance	4338A	Keysight Technologies
Insulation resistance	4339A	Keysight Technologies

* Equivalent measurement equipment may be used.



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IMPEDANCE VS. FREQUENCY CHARACTERISTICS



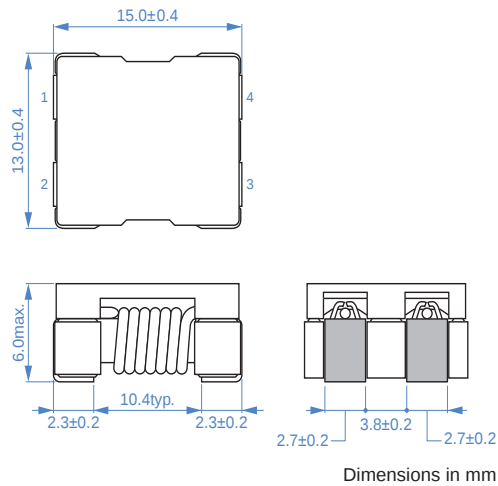
Measurement equipment

Product No.	Manufacturer
4991A	Keysight Technologies

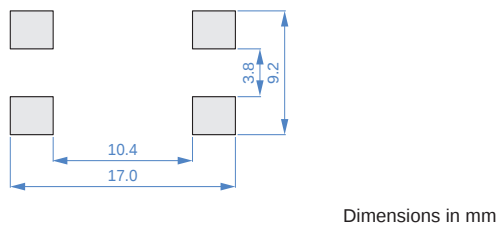
* Equivalent measurement equipment may be used.

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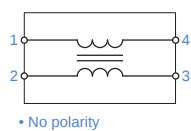
SHAPE & DIMENSIONS



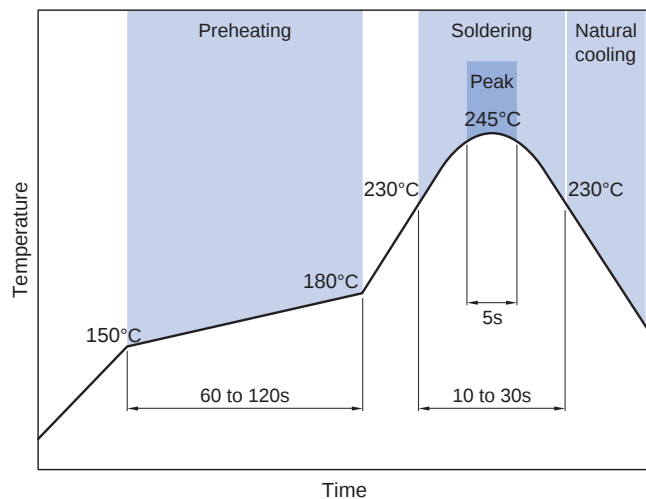
RECOMMENDED LAND PATTERN



CIRCUIT DIAGRAM

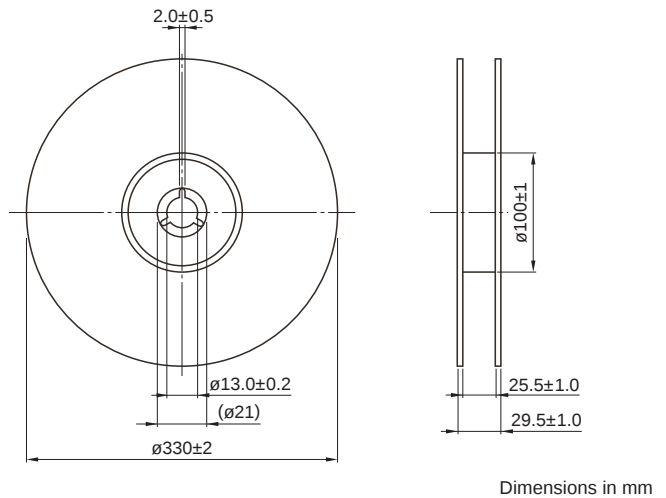


RECOMMENDED REFLOW PROFILE

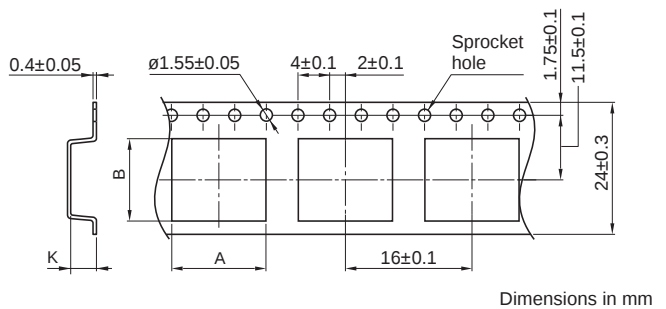


PACKAGING STYLE

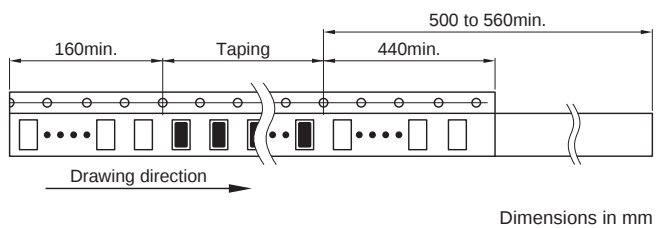
REEL DIMENSIONS



TAPE DIMENSIONS



Type	A	B	K
ACM1513	(13.4)	(15.5)	(7.3)



PACKAGE QUANTITY

Package quantity	500 pcs/reel
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TEMPERATURE RANGE, INDIVIDUAL WEIGHT

Operating temperature range	Storage temperature range *	Individual weight
-40 to +85 °C	-40 to +85 °C	3.14 g

* The storage temperature range is for after the assembly.