

AACM-S Series

Features

- Qualified to AEC-Q200.
- Low profile (h=2.5mm)
- Small size (5.0x4.8mm) and high rated current (1.5 to 6A)
- High common mode Impedance (max. 1500 ohm, at 100MHz).
- Halogen Free.

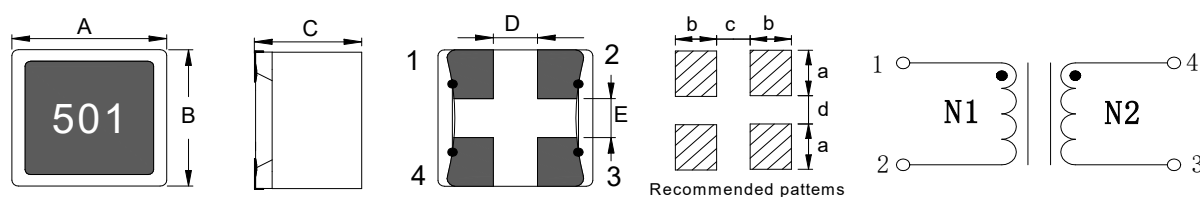
Applications

- Noise suppression for power line
- Power line equipment
 - DC-DC converters
 - Battery chargers
- Portable equipment
 - PDAs (Personal Digital Assistants)
 - Note PCs
 - Printers

Test Conditions

- All test data is referenced to 25°C ambient.
- Operating temperature range -40°C to +125°C.(Including self - temperature rise).
- The part temperature(ambient + temp rise)should not exceed 125°C under worst case operating conditions.
Circuit design,component placement, PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature,part temperature should be verified in the end application.

External Dimensions (Unit:mm)



TYPE	A	B	C	D	E	a	b	c	d	Q'TY/Reel
AACM0520	4.8±0.2	5.0±0.2	2.5Max	1.1Typ	1.5Typ	2.3Typ	1.6Typ	0.8Typ	1.0Typ	2500

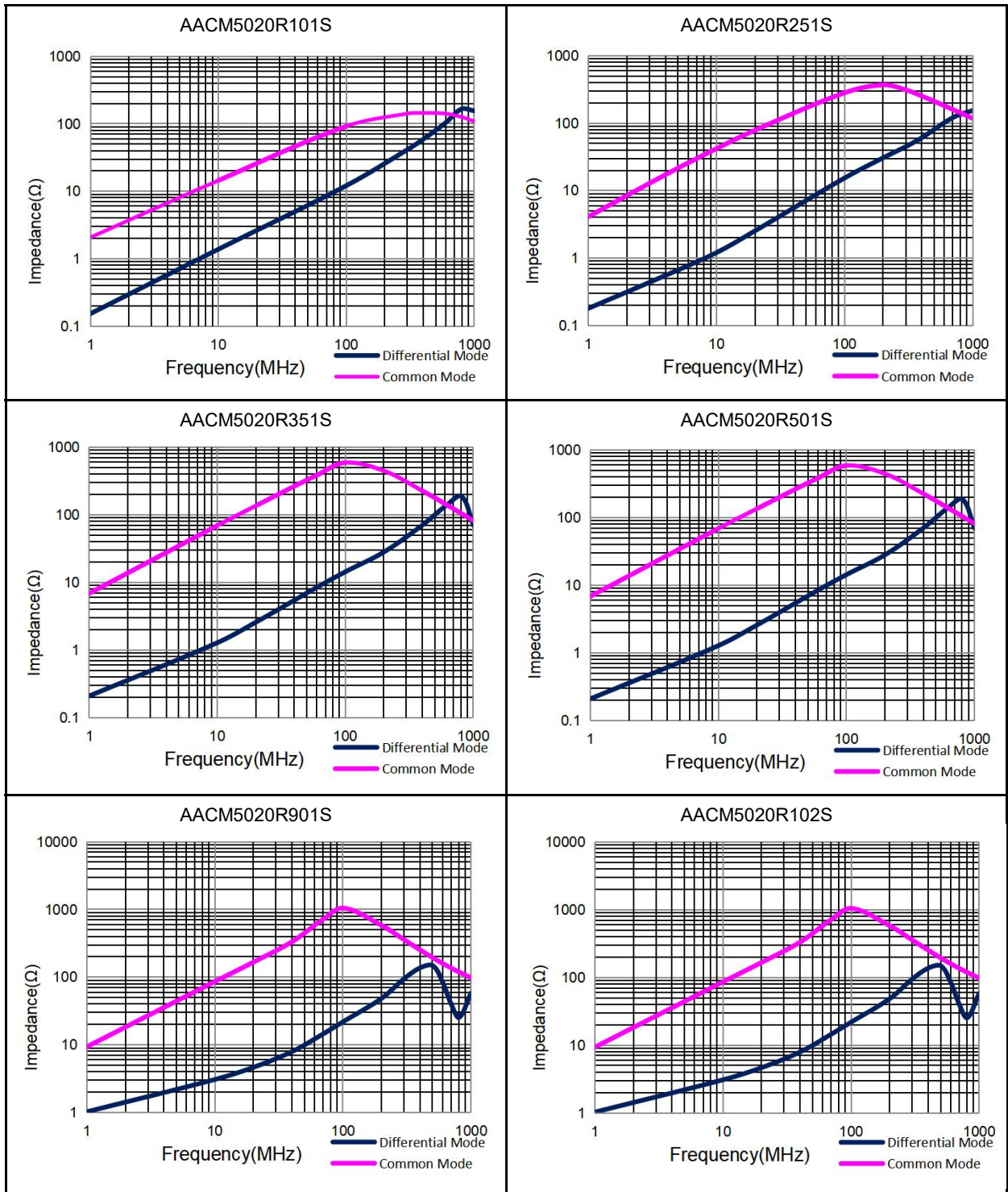
Part Number Code

AACM	0520	R	501	S
Series Name	Dimensions: L*W*H	Tolerance	Inductance	Materials

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Part Number	Common mode Impedance (Ω) Typ. N1=N2	Test Frequency	DCR (m Ω)Max.	Rated Current (A)Max.	Rated Voltage (V)Max.	IR (M Ω) Min.
AACM5020R101S	100	100MHz/0.5V	13	6	50	10
AACM5020R251S	250	100MHz/0.5V	20	5	50	10
AACM5020R351S	350	100MHz/0.5V	20	4	50	10
AACM5020R501S	500	100MHz/0.5V	27	4	50	10
AACM5020R901S	900	100MHz/0.5V	34	3	50	10
AACM5020R102S	1000	100MHz/0.5V	34	3	50	10
AACM5020R142S	1400	100MHz/0.5V	56	1.5	50	10
AACM5020R152S	1500	100MHz/0.5V	56	1.5	50	10

Characteristics Curve (Reference)



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