

AACM Series

Features

- Qualified to AEC-Q200.
- Halogen Free.
- High common mode impedance at high frequency effects excellent noise suppression performance.
- AACM series realizes small size and low profile.
- The products contain no lead and also support lead- free soldering. reliability.
- The products 100% Lead(Pb) and RoHS compliant.

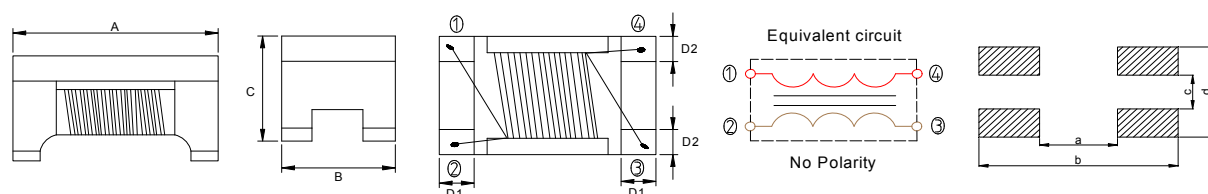
Applications

- The AACM Series is effective in high frequency noise suppression and suitable for suppression of radiation noise in signal cables.
- The common mode choke coil structure enables noise suppression without degrading the signal.
- AACM series can be used as a common mode filter for LVDS, USB2.0 and IEEE1394.

Test Equipment and Conditions

- All test data is referenced to 25℃ ambient.
 - Operating temperature range -40℃ to +125℃.(Including self - temperature rise).
 - The part temperature(ambient + temp rise)should not exceed 125℃ 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	D1 typ	D2 typ	a typ	b typ	c typ	d typ	Q'TY/Reel
AACM121009	1.2±0.2	1.0±0.2	0.8±0.1	0.33	0.36	0.5	1.55	0.3	1	3000
AACM201212	2.0±0.2	1.2±0.2	1.2±0.2	0.5	0.5	1.2	2.6	0.4	1.2	2000
AACM252012	2.5±0.2	2.0±0.2	1.2±0.2	0.45	0.6	1.2	3.2	0.6	2	2000
AACM321619	3.2±0.2	1.6±0.2	1.8±0.2	0.6	0.5	2.2	3.7	0.5	1.6	2000
AACM322522	3.2±0.2	2.5±0.2	2.2±0.2	0.75	0.9	2	3.7	0.6	2.5	1500
AACM453228	4.5±0.2	3.2±0.2	2.8±0.2	1	1.2	2.5	4.8	0.7	3.8	500

Part Number Code

AACM	201212	LC	T	900	W
Series Name	Dimensions L*W	Internal control	Tolerance	Impedance	Internal Controls

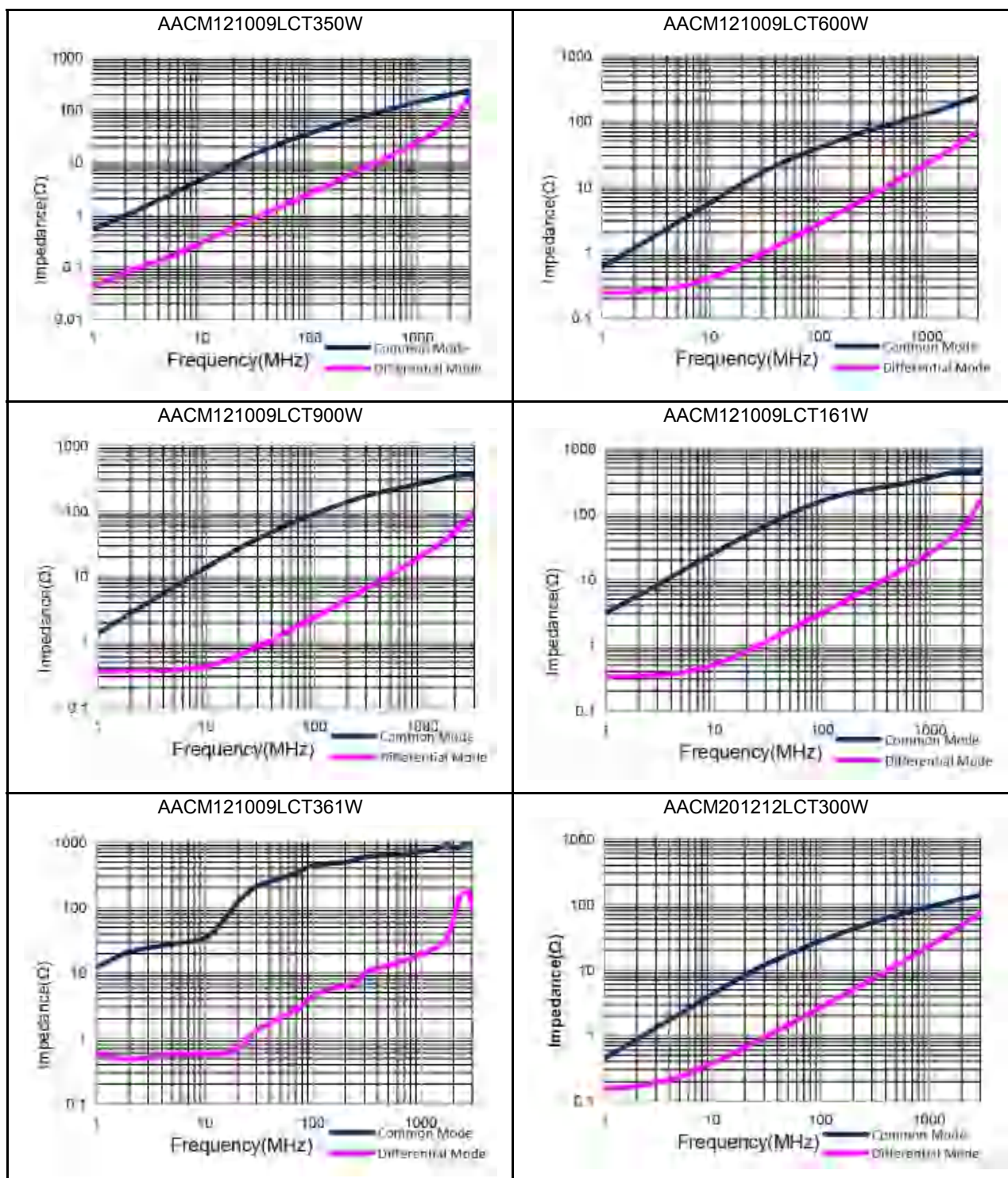
AACM Series

Part Number	Common Mode Impedance Z(Ω) @100MHz	DC Resistance (mΩ) Max.	I _{rms} (mA)Max.	Rated Voltage V _{dc} (V)Max	Withstanding Voltage V _{ode} (V)Max	Insulation Resistance (MΩ)Min.
AACM121009LCT350W	35	180	430	20	50	10
AACM121009LCT600W	60	300	400	20	50	10
AACM121009LCT900W	90	300	400	20	50	10
AACM121009LCT161W	160	400	260	20	50	10
AACM121009LCT361W	360	550	250	20	50	10
AACM201212LCT300W	30	200	450	50	125	10
AACM201212LCT500W	50	250	550	50	125	10
AACM201212LCT750W	75	250	400	50	125	10
AACM201212LCT900W	90	300	400	50	125	10
AACM201212LCT101W	100	300	400	50	125	10
AACM201212LCT121W	120	300	400	50	125	10
AACM201212LCT161W	160	350	350	50	125	10
AACM201212LCT181W	180	350	350	50	125	10
AACM201212LCT201W	200	350	300	50	125	10
AACM201212LCT221W	220	350	300	50	125	10
AACM201212LCT251W	250	400	300	50	125	10
AACM201212LCT261W	260	400	300	50	125	10
AACM201212LCT301W	300	400	290	50	125	10
AACM201212LCT361W	360	400	300	50	125	10
AACM201212LCT371W	370	450	280	50	125	10
AACM201212LCT481W	480	550	200	50	125	10
AACM201212LCT501W	500	550	200	50	125	10
AACM201212LCT601W	600	550	300	50	125	10
AACM201212LCT671W	670	600	180	50	125	10
AACM201212LCT681W	680	700	180	50	125	10
AACM201212LCT751W	750	800	150	50	125	10
AACM201212LCT801W	800	880	150	50	125	10
AACM201212LCT901W	900	1000	100	50	125	10
AACM201212LCT102W	1000	1000	100	50	125	10
AACM252012LCT301W	300	250	400	50	125	10
AACM252012LCT451W	450	300	350	50	125	10
AACM252012LCT601W	600	380	330	50	125	10
AACM252012LCT801W	800	420	300	50	125	10
AACM252012LCT102W	1000	500	240	50	125	10
AACM321619LCT500W	50	250	400	50	125	10
AACM321619LCT900W	90	300	370	50	125	10

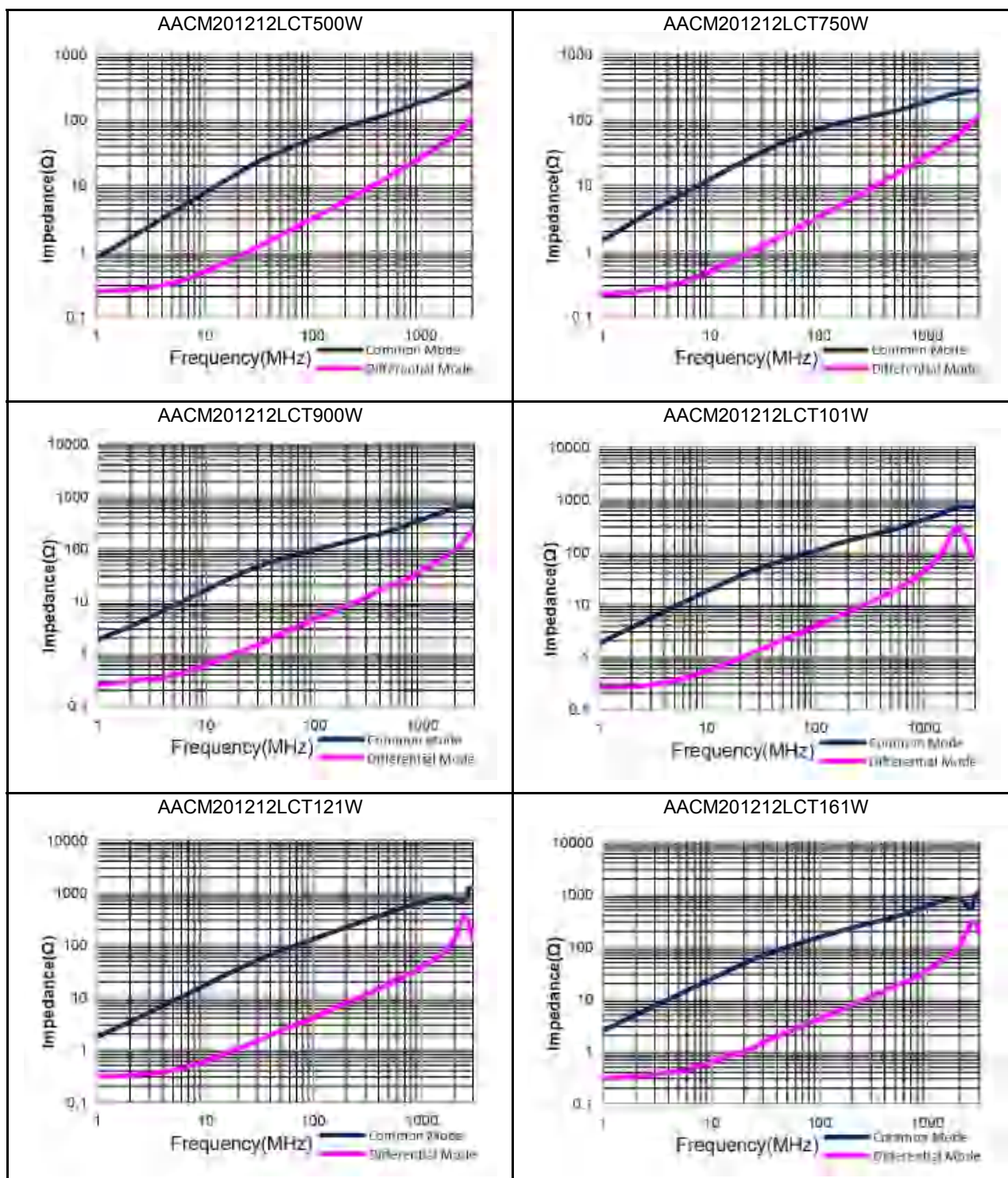
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Part Number	Common Mode Impedance Z(Ω) @100MHz	DC Resistance (m Ω) Max.	I _{rms} (mA)Max.	Rated Voltage V _{dc} (V)Max	Withstanding Voltage V _{ode} (V)Max	Insulation Resistance (M Ω)Min.
AACM321619LCT161W	160	400	340	50	125	10
AACM321619LCT261W	260	500	310	50	125	10
AACM321619LCT601W	600	800	260	50	125	10
AACM321619LCT102W	1000	1000	230	50	125	10
AACM321619LCT222W	2200	1200	200	50	125	10
AACM322522LCT900W	90	60	1000	50	125	10
AACM322522LCT101W	100	60	1000	50	125	10
AACM322522LCT121W	120	60	1000	50	125	10
AACM322522LCT201W	200	80	1000	50	125	10
AACM322522LCT501W	500	100	1000	50	125	10
AACM322522LCT601W	600	100	1000	50	125	10
AACM322522LCT102W	1000	100	1000	50	125	10
AACM322522LCT122W	1200	300	400	50	125	10
AACM322522LCT142W	1400	300	400	50	125	10
AACM322522LCT242W	2400	300	640	50	125	10
AACM453228LCT800W	80	50	2500	50	125	10
AACM453228LCT900W	90	50	2500	50	125	10
AACM453228LCT121W	120	50	2000	50	125	10
AACM453228LCT201W	200	50	2000	50	125	10
AACM453228LCT231W	230	60	1600	50	125	10
AACM453228LCT361W	360	60	1600	50	125	10
AACM453228LCT421W	420	70	1600	50	125	10
AACM453228LCT501W	500	80	1500	50	125	10
AACM453228LCT601W	600	80	1500	50	125	10
AACM453228LCT701W	700	80	1200	50	125	10
AACM453228LCT801W	800	90	1200	50	125	10
AACM453228LCT901W	900	100	1200	50	125	10
AACM453228LCT102W	1000	100	1000	50	125	10
AACM453228LCT122W	1200	100	1000	50	125	10
AACM453228LCT142W	1400	100	1000	50	125	10

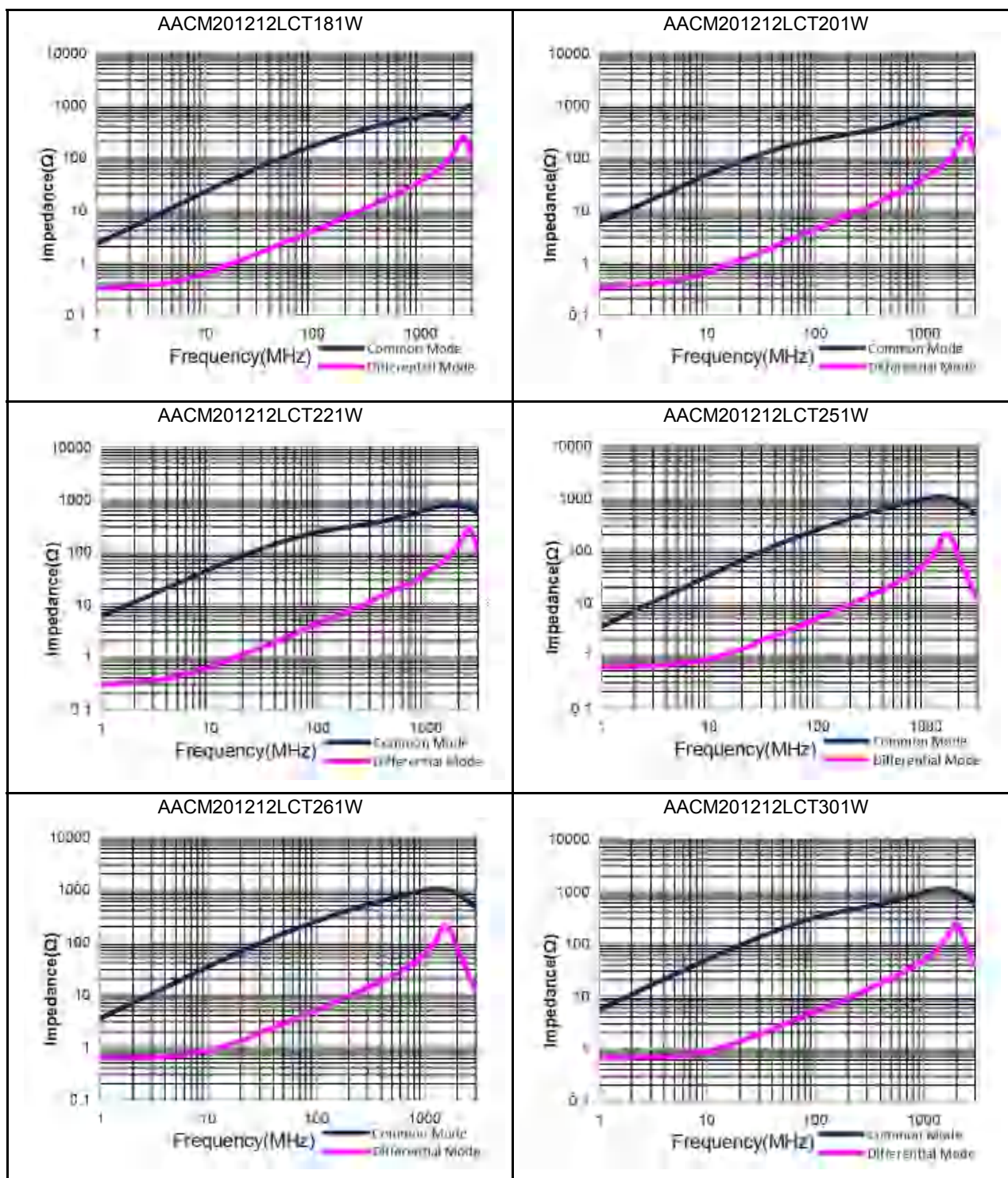
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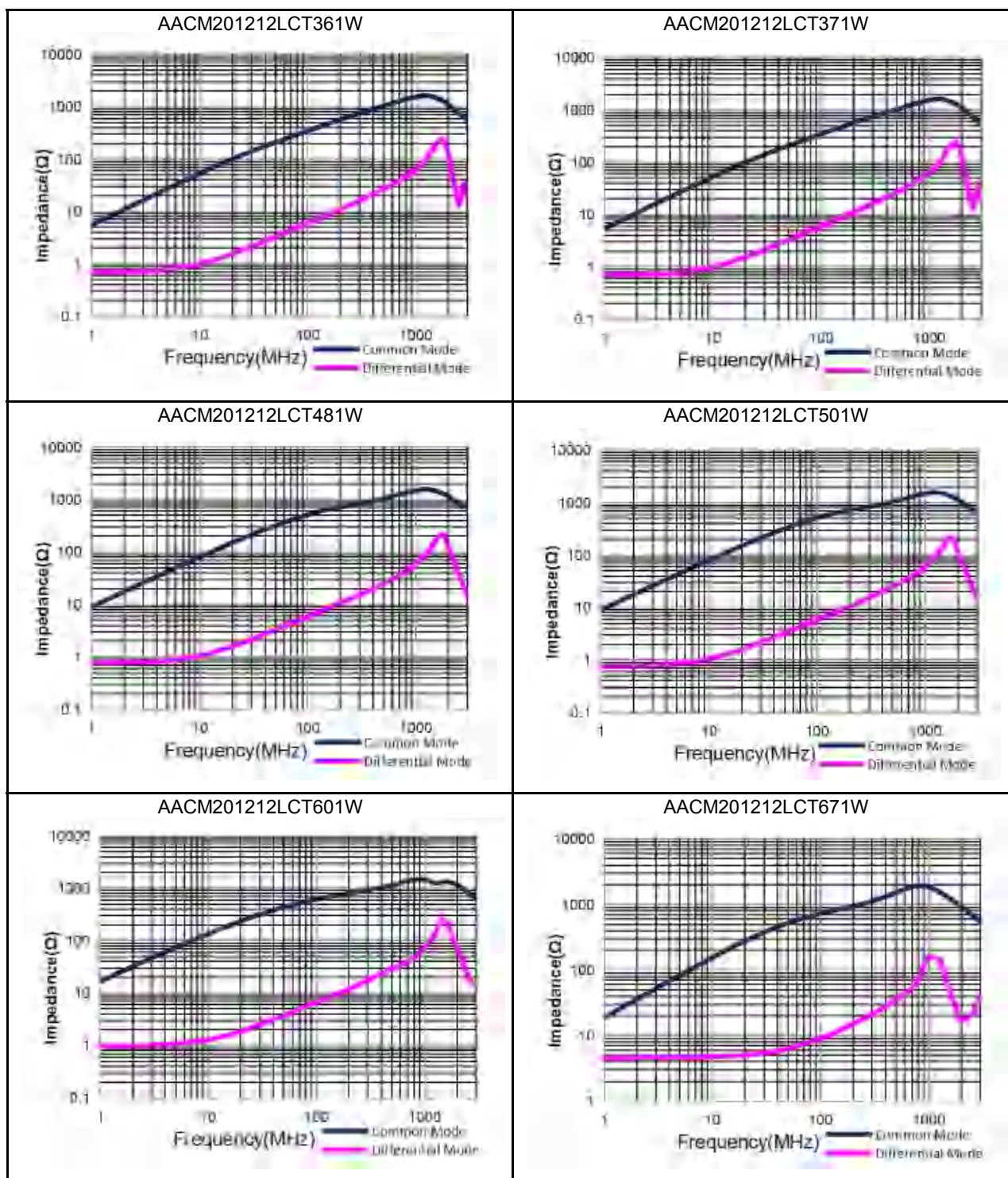
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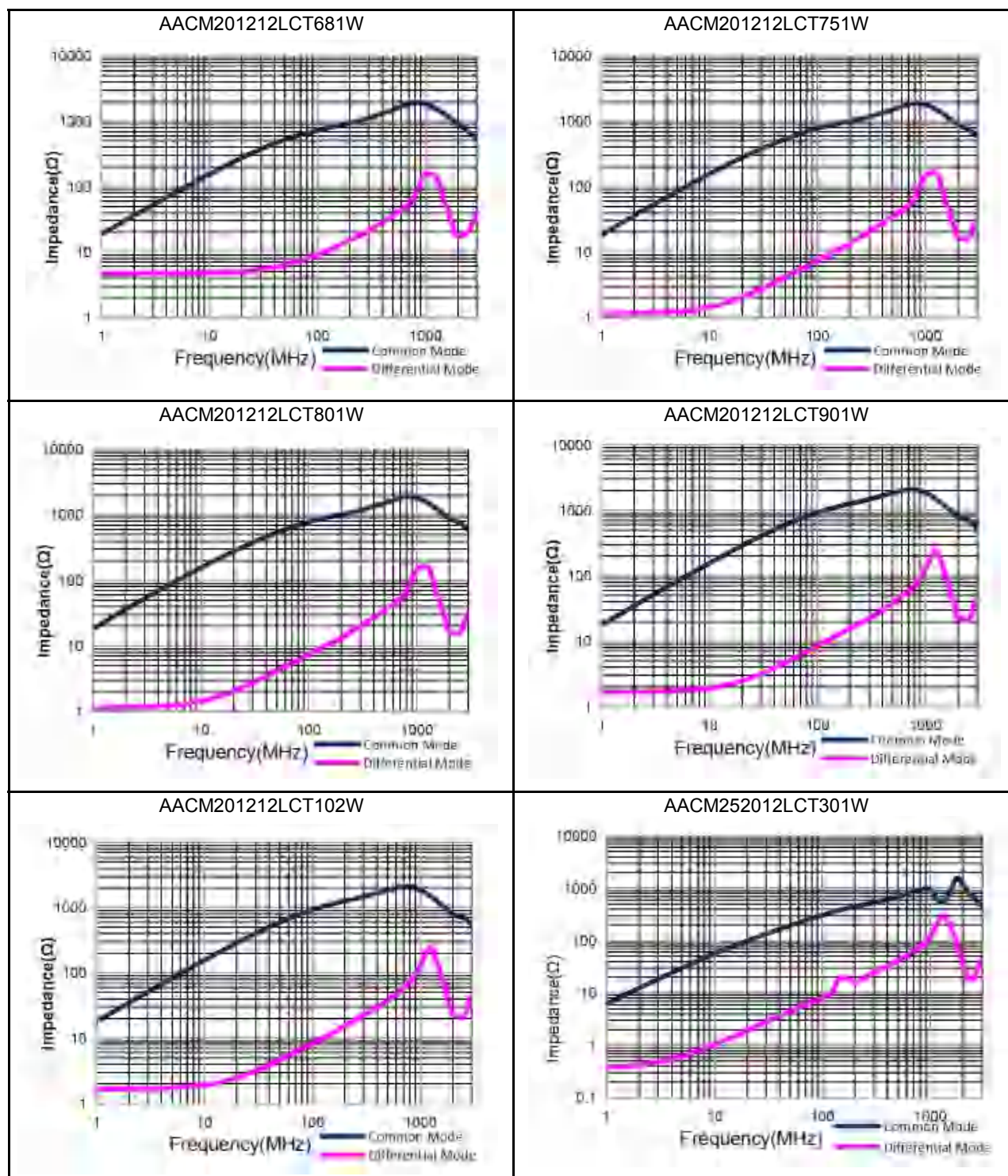
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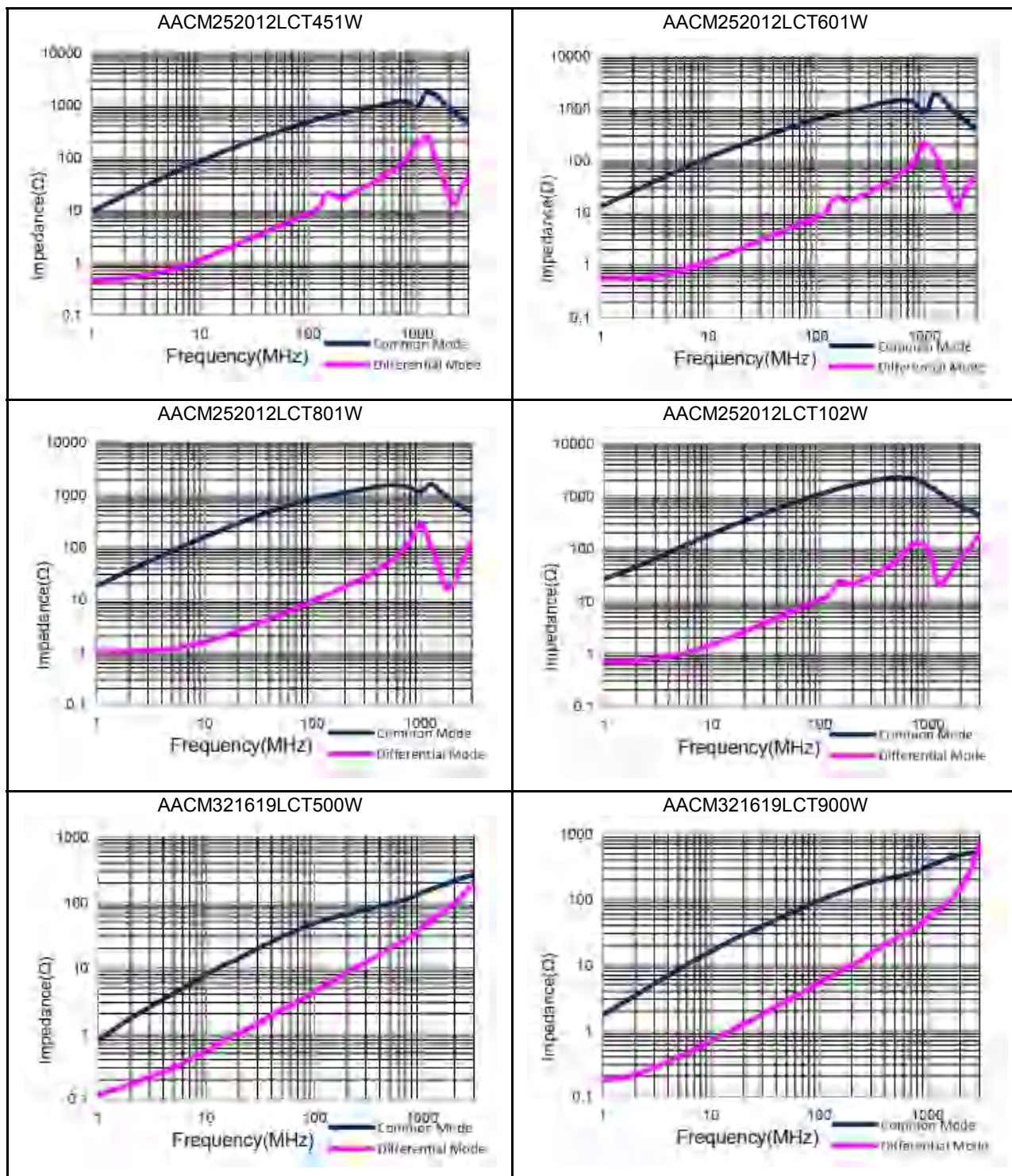
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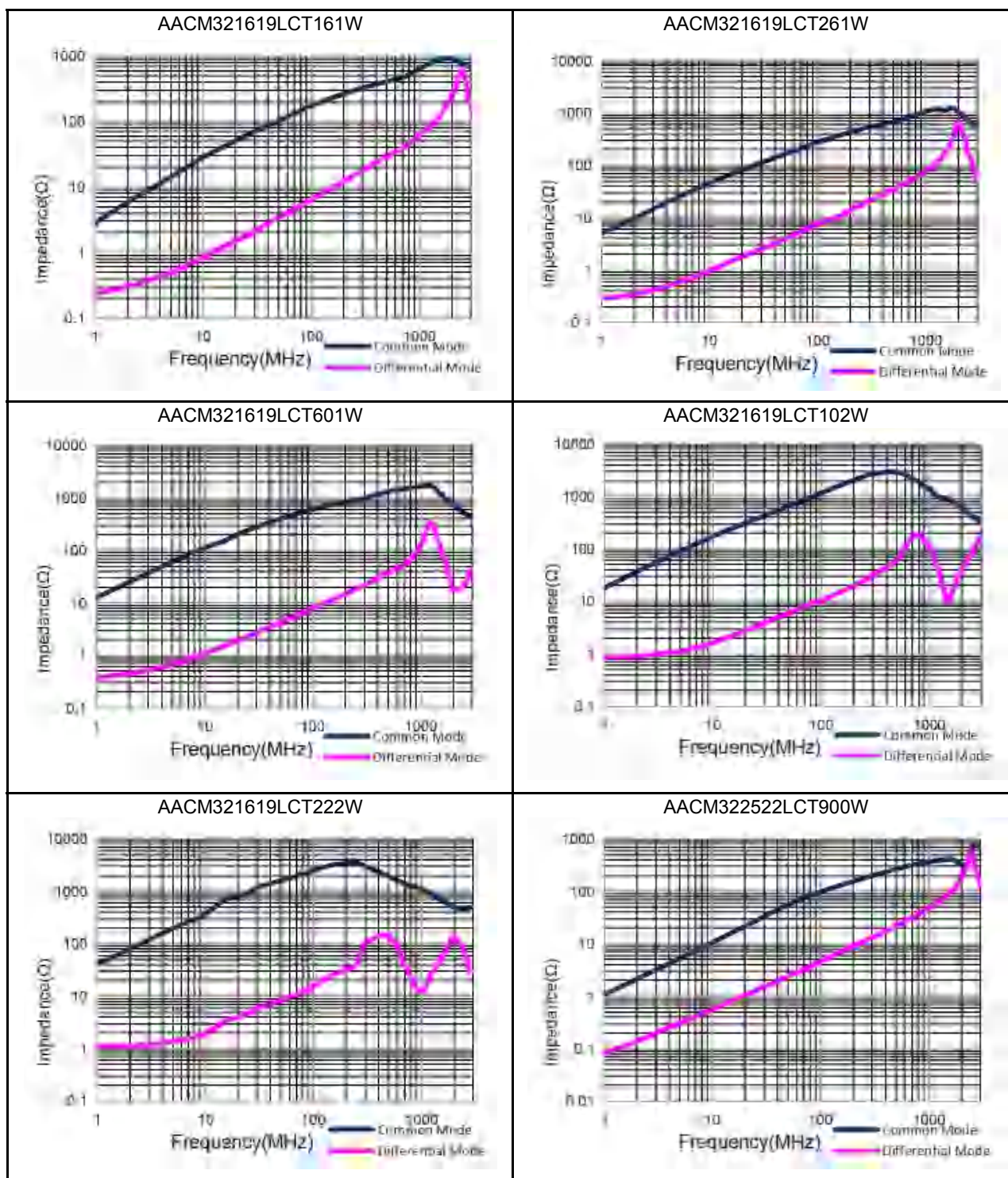
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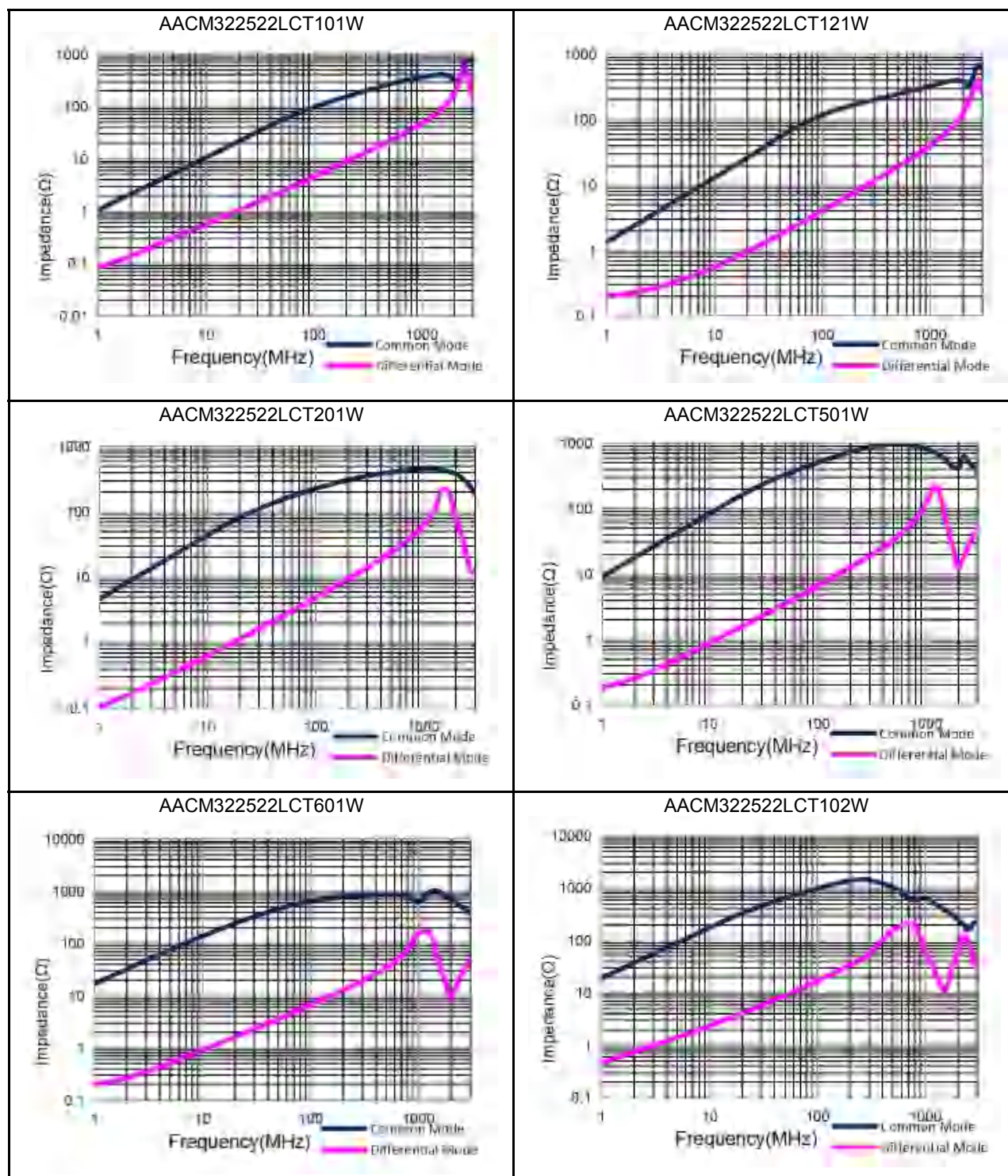
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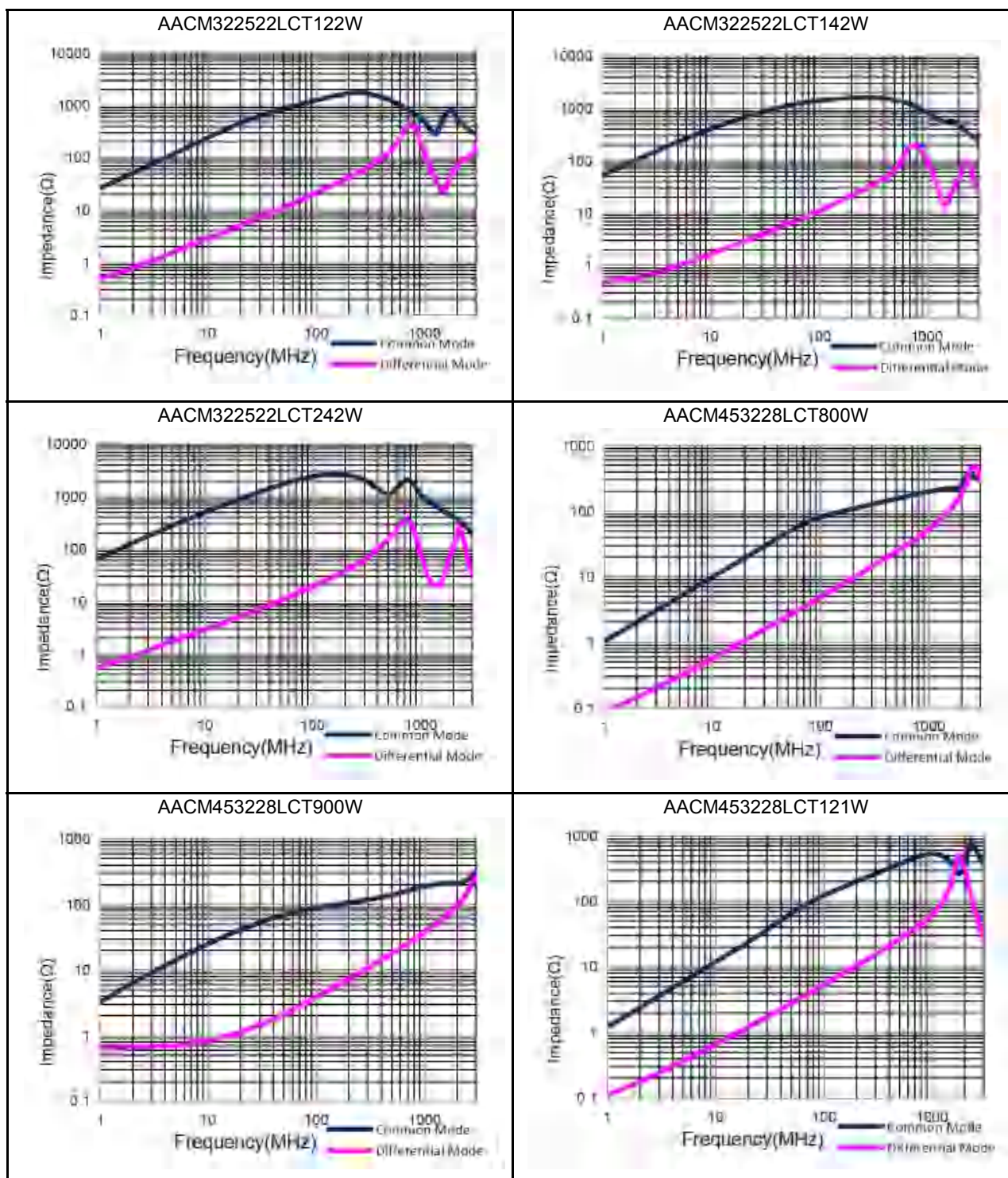
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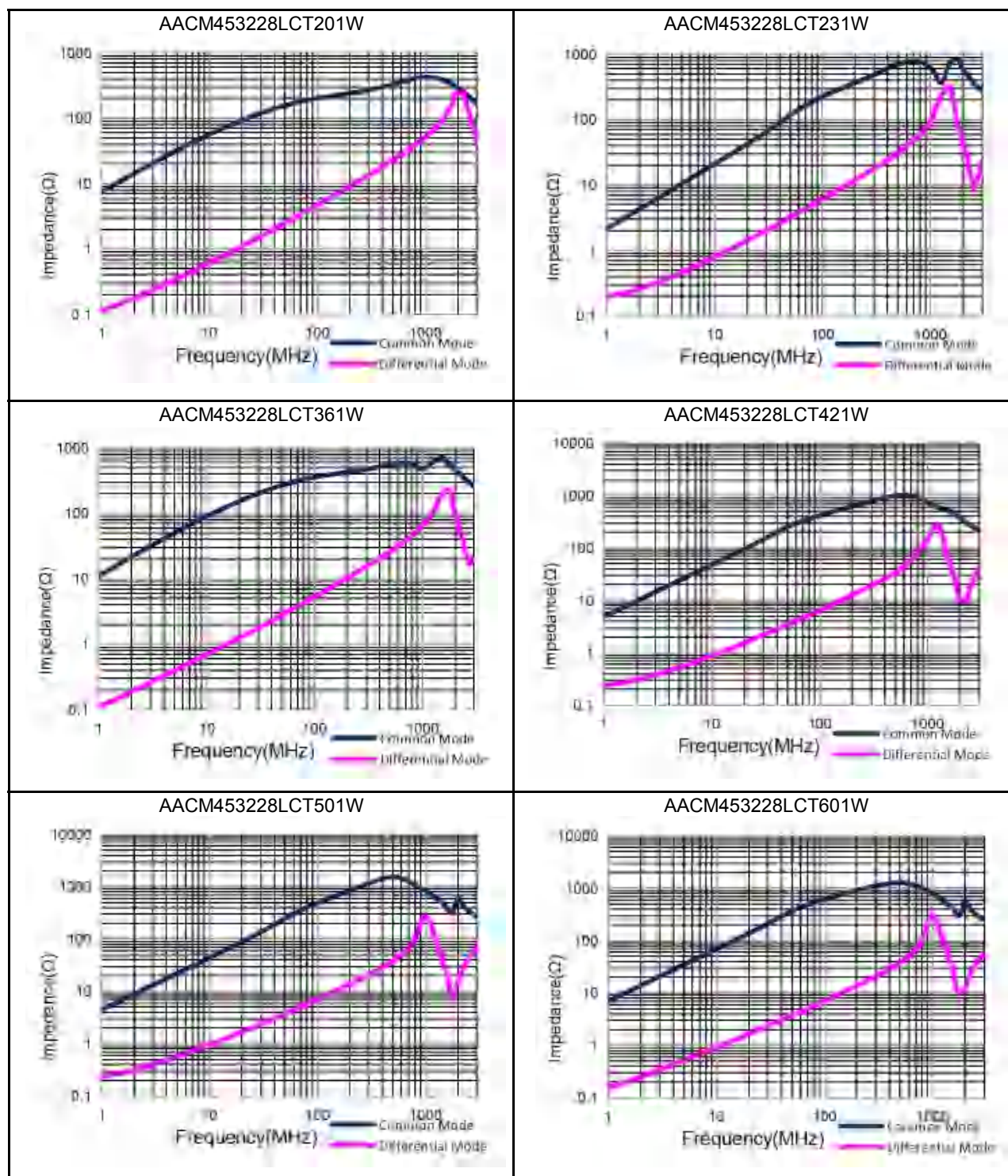
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