

ACM Series

Features

- High common mode impedance at high frequency effects excellent noise suppression performance.
- ACM series realizes small size and low profile.
- The products contain no lead and also support lead- free soldering.
- Halogen Free.

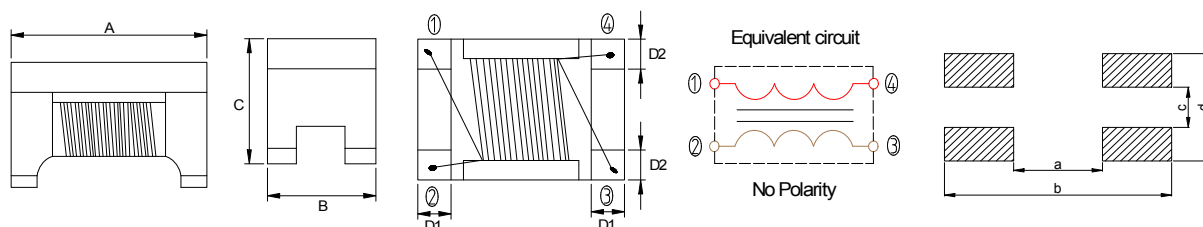
Applications

- The ACM 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.
- ACM series can be used as a common mode filter for LVDS, USB2.0 and IEEE1394.

Test Conditions

- All test data is referenced to 25°C ambient.
 - Operating temperature range -40°C to +125°C.
 - 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	D1 typ	D2 typ	a typ	b typ	c typ	d typ	Q'TY/Reel
ACM121009	1.2±0.2	1.0±0.2	0.8±0.1	0.33	0.36	0.5	1.55	0.3	1.0	3000
ACM160811	1.6±0.2	0.8±0.2	1.1±0.2	0.33	0.35	0.73	1.89	0.25	0.85	3000
ACM201212	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
ACM252012	2.5±0.2	2.0±0.2	1.2±0.2	0.45	0.6	1.2	3.2	0.6	2.0	2000
ACM321619	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
ACM322522	3.2±0.2	2.5±0.2	2.2±0.2	0.75	0.9	2.0	3.7	0.6	2.5	1500
ACM453228	4.5±0.2	3.2±0.2	2.8±0.2	1.0	1.2	2.5	4.8	0.7	3.8	500

2. Part Number Code

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

ACM Series

Part Number	Common Mode Impedance Z(Ω) @100MHz	DC Resistance (mΩ) Max.	Irms (mA)Max.	Rated Voltage Vdc(V)Max.	Withstanding Voltage Vode(V)Max.	Insulation Resistance (MΩ)Min.
ACM121009LCT200W	20	150	500	20	50	10
ACM121009LCT350W	35	180	430	20	50	10
ACM121009LCT450W	45	180	420	20	50	10
ACM121009LCT600W	60	300	400	20	50	10
ACM121009LCT900W	90	300	400	20	50	10
ACM121009LCT161W	160	400	260	20	50	10
ACM121009LCT201W	200	400	250	20	50	10
ACM121009LCT301W	300	500	200	20	50	10
ACM160811LCT250W	25	100	500	20	50	10
ACM160811LCT600W	60	200	350	20	50	10
ACM160811LCT900W	90	250	300	20	50	10
ACM160811LCT141W	140	250	300	20	50	10
ACM160811LCT221W	220	250	300	20	50	10
ACM201212LCT300W	30	200	450	50	125	10
ACM201212LCT500W	50	250	550	50	125	10
ACM201212LCT750W	75	250	400	50	125	10
ACM201212LCT900W	90	300	400	50	125	10
ACM201212LCT101W	100	300	400	50	125	10
ACM201212LCT121W	120	300	400	50	125	10
ACM201212LCT161W	160	350	350	50	125	10
ACM201212LCT181W	180	350	350	50	125	10
ACM201212LCT201W	200	350	300	50	125	10
ACM201212LCT221W	220	350	300	50	125	10
ACM201212LCT251W	250	400	300	50	125	10
ACM201212LCT261W	260	400	300	50	125	10
ACM201212LCT301W	300	400	290	50	125	10
ACM201212LCT361W	360	400	300	50	125	10
ACM201212LCT371W	370	450	280	50	125	10
ACM201212LCT481W	480	550	200	50	125	10
ACM201212LCT501W	500	550	200	50	125	10
ACM201212LCT601W	600	550	300	50	125	10
ACM201212LCT671W	670	600	180	50	125	10
ACM201212LCT681W	680	700	180	50	125	10
ACM201212LCT751W	750	800	150	50	125	10

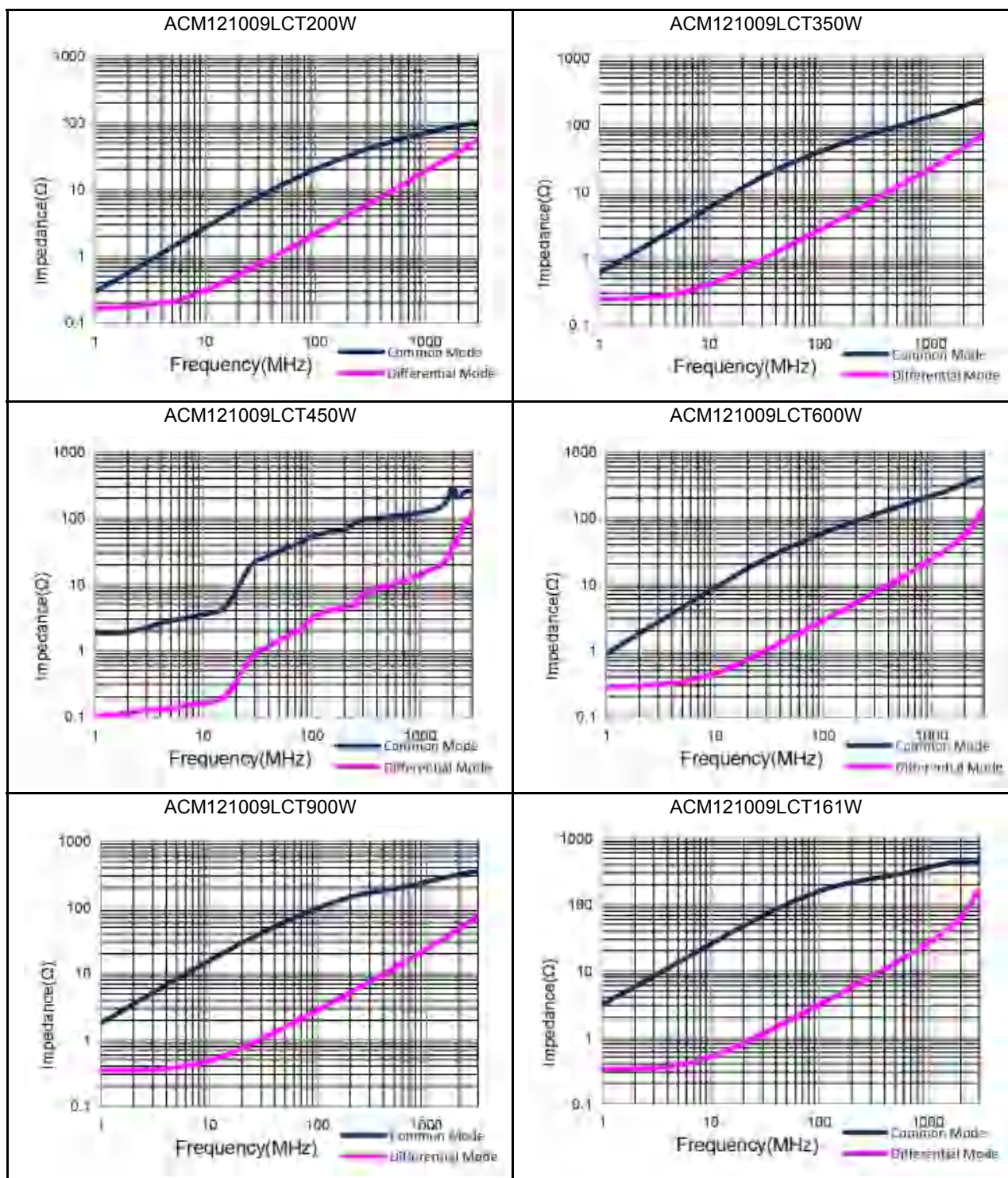
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Part Number	Common Mode Impedance Z(Ω) @100MHz	DC Resistance (mΩ) Max.	Irms (mA)Max.	Rated Voltage Vdc(V)Max.	Withstanding Voltage Vode(V)Max.	Insulation Resistance (MΩ)Min.
ACM201212LCT801W	800	880	150	50	125	10
ACM201212LCT901W	900	1000	100	50	125	10
ACM201212LCT102W	1000	1000	100	50	125	10
ACM252012LCT301W	300	250	400	50	125	10
ACM252012LCT451W	450	300	350	50	125	10
ACM252012LCT601W	600	380	330	50	125	10
ACM252012LCT801W	800	420	300	50	125	10
ACM252012LCT102W	1000	500	240	50	125	10
ACM321619LCT500W	50	250	400	50	125	10
ACM321619LCT900W	90	300	370	50	125	10
ACM321619LCT161W	160	400	340	50	125	10
ACM321619LCT261W	260	500	310	50	125	10
ACM321619LCT601W	600	800	260	50	125	10
ACM321619LCT102W	1000	1000	230	50	125	10
ACM321619LCT222W	2200	1200	200	50	125	10
ACM322522LCT900W	90	60	1000	50	125	10
ACM322522LCT101W	100	60	1000	50	125	10
ACM322522LCT121W	120	60	1000	50	125	10
ACM322522LCT201W	200	80	1000	50	125	10
ACM322522LCT501W	500	100	1000	50	125	10
ACM322522LCT601W	600	100	1000	50	125	10
ACM322522LCT102W	1000	100	1000	50	125	10
ACM322522LCT122W	1200	300	400	50	125	10
ACM322522LCT142W	1400	300	400	50	125	10
ACM322522LCT242W	2400	300	640	50	125	10
ACM453228LCT800W	80	50	2500	50	125	10
ACM453228LCT900W	90	50	2500	50	125	10
ACM453228LCT121W	120	50	2000	50	125	10
ACM453228LCT201W	200	50	2000	50	125	10
ACM453228LCT231W	230	60	1600	50	125	10
ACM453228LCT361W	360	60	1600	50	125	10
ACM453228LCT421W	420	70	1600	50	125	10
ACM453228LCT501W	500	80	1500	50	125	10
ACM453228LCT601W	600	80	1500	50	125	10

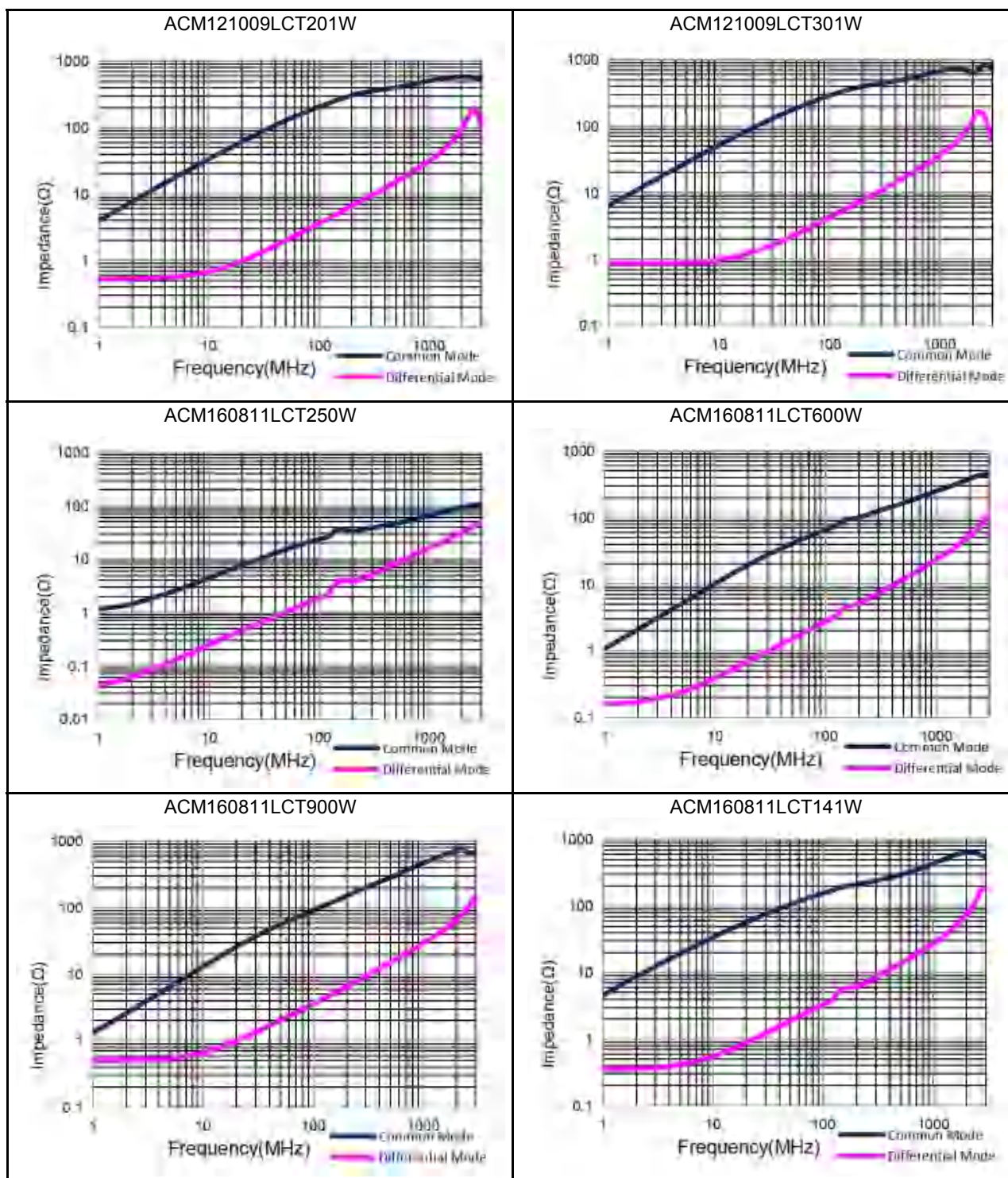
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Part Number	Common Mode Impedance Z(Ω) @100MHz	DC Resistance (m Ω) Max.	I _{rms} (mA)Max.	Rated Voltage V _{dc} (V)Max.	Withstanding Voltage V _{ode} (V)Max.	Insulation Resistance (M Ω)Min.
ACM453228LCT701W	700	80	1200	50	125	10
ACM453228LCT801W	800	90	1200	50	125	10
ACM453228LCT901W	900	100	1200	50	125	10
ACM453228LCT102W	1000	100	1000	50	125	10
ACM453228LCT122W	1200	100	1000	50	125	10
ACM453228LCT142W	1400	100	1000	50	125	10

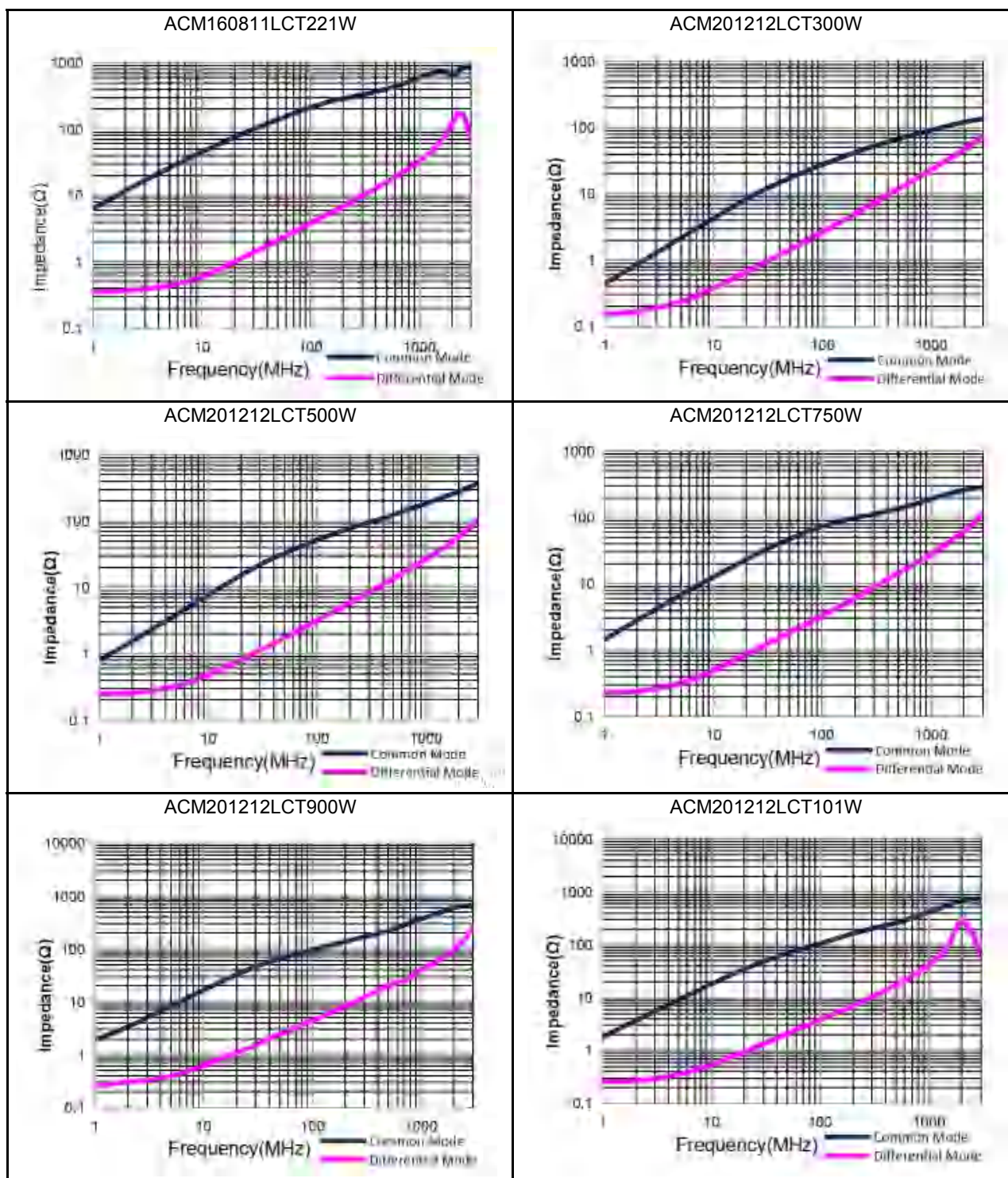
Characteristics(Reference)



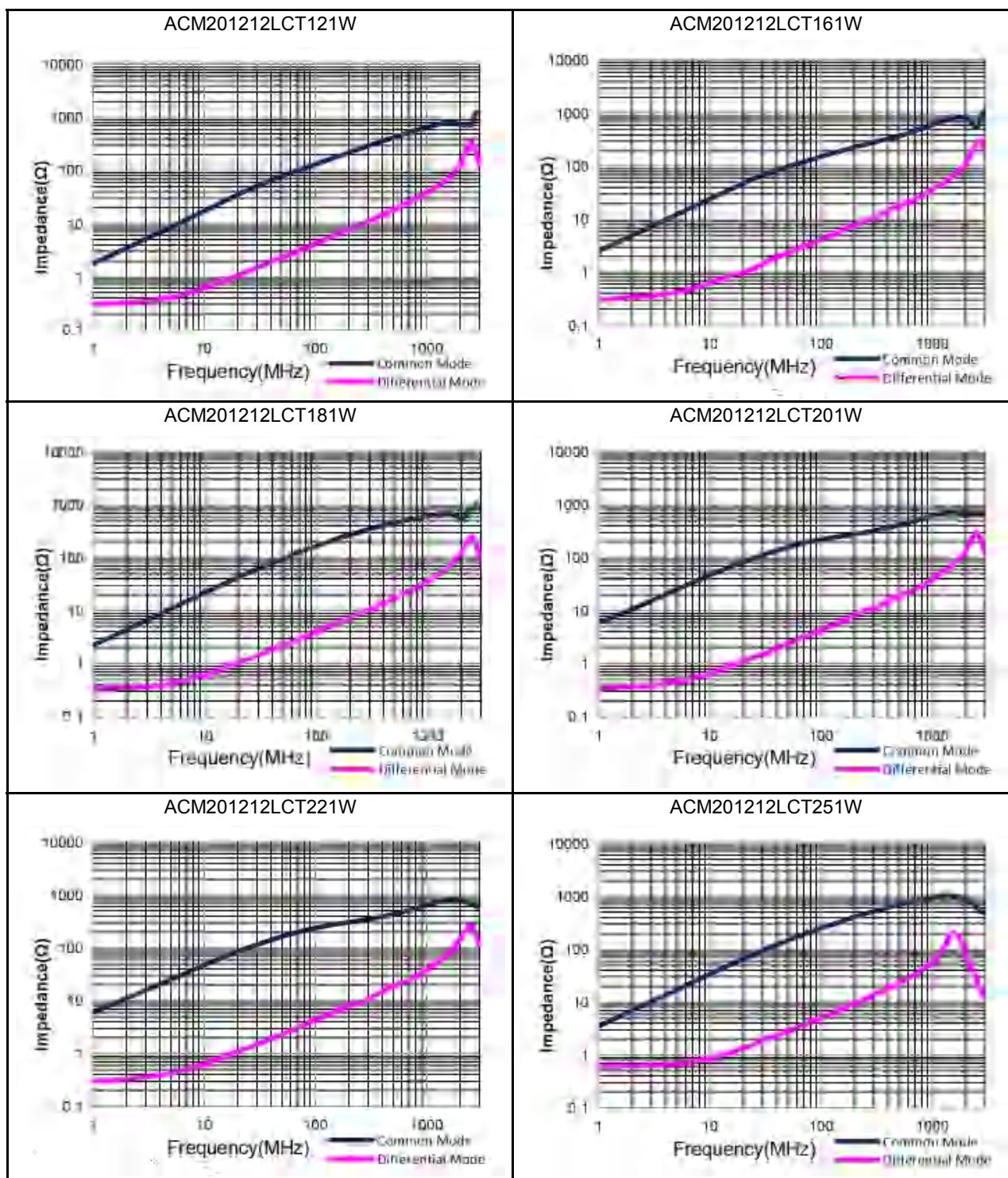
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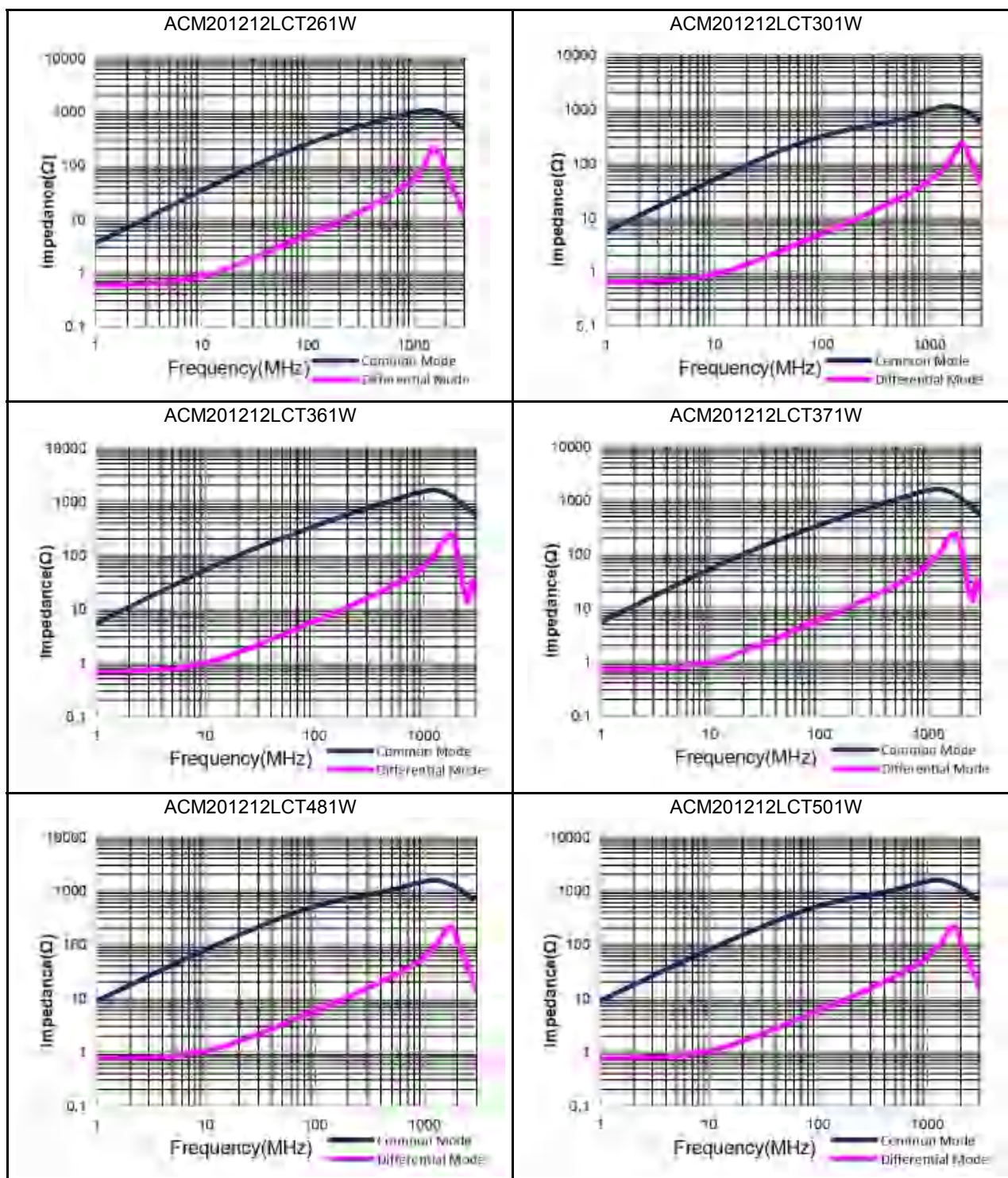
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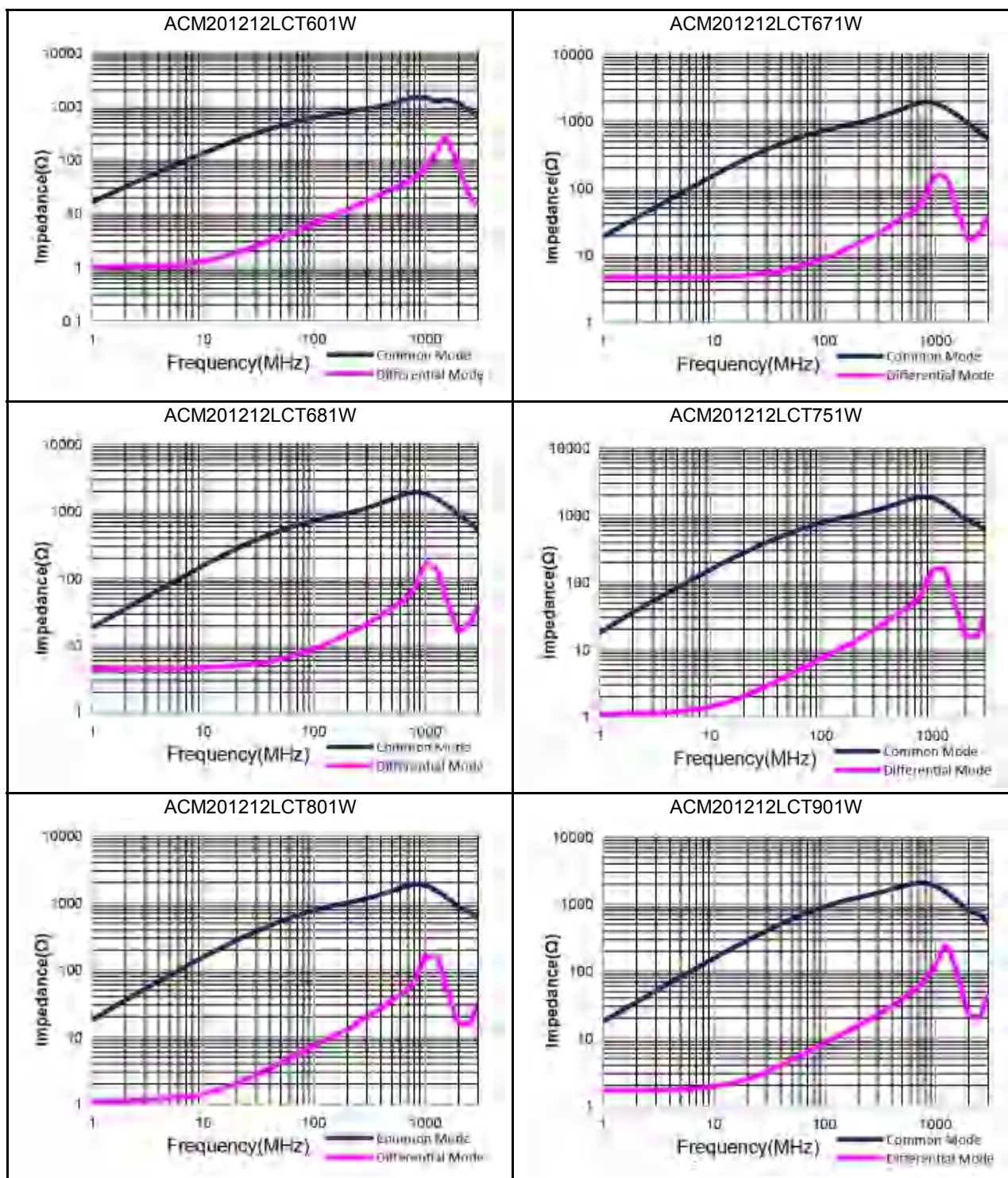
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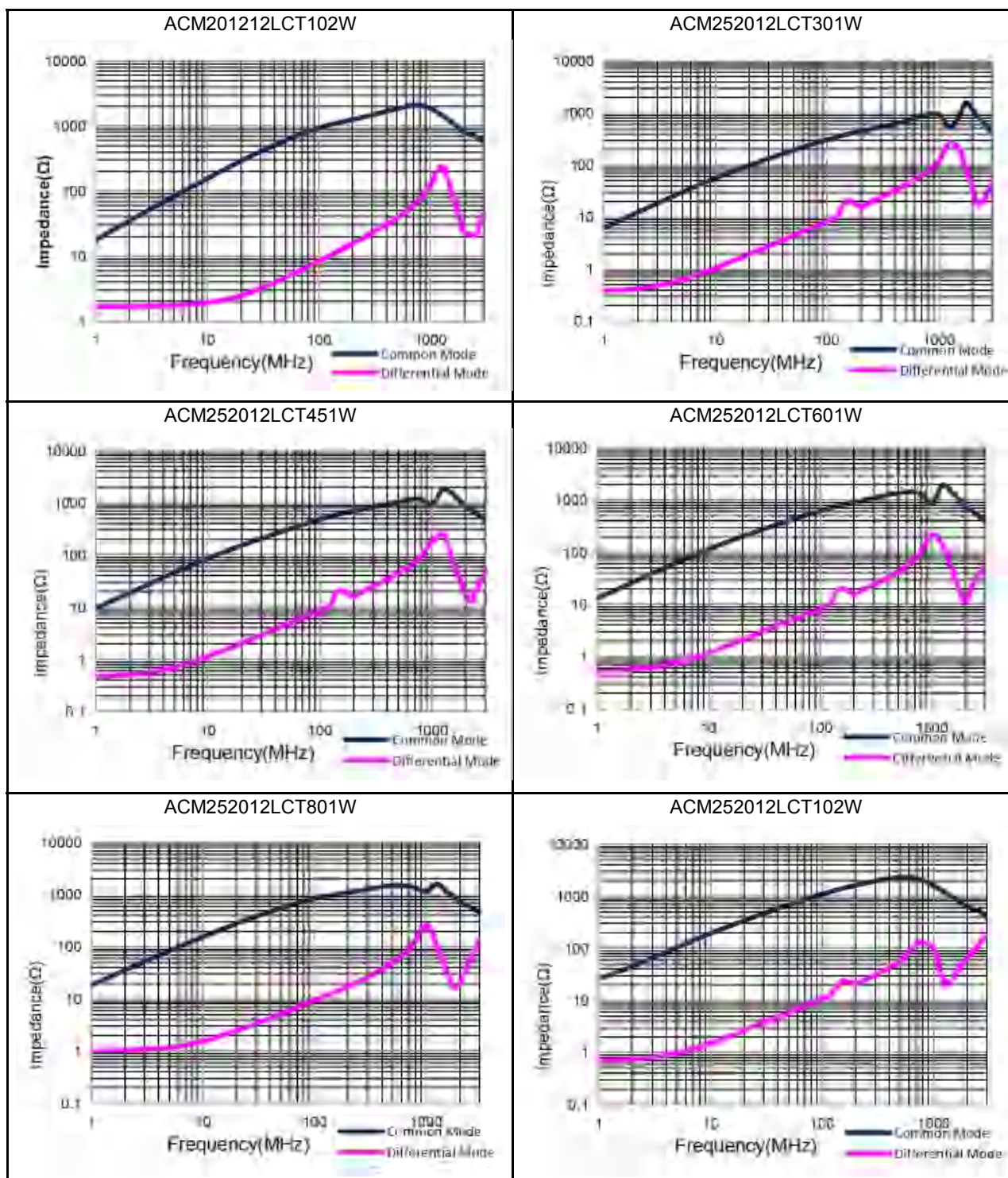
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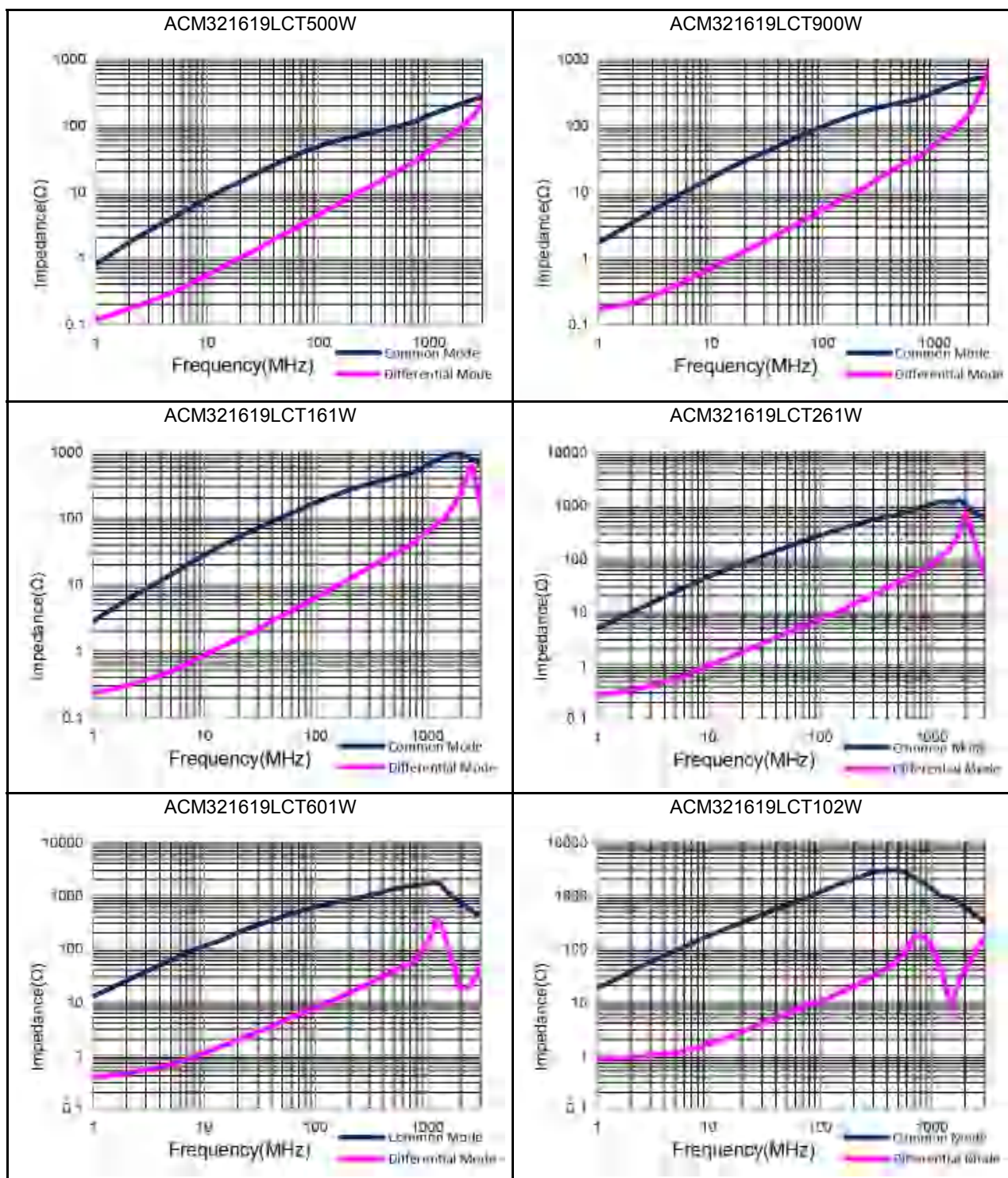
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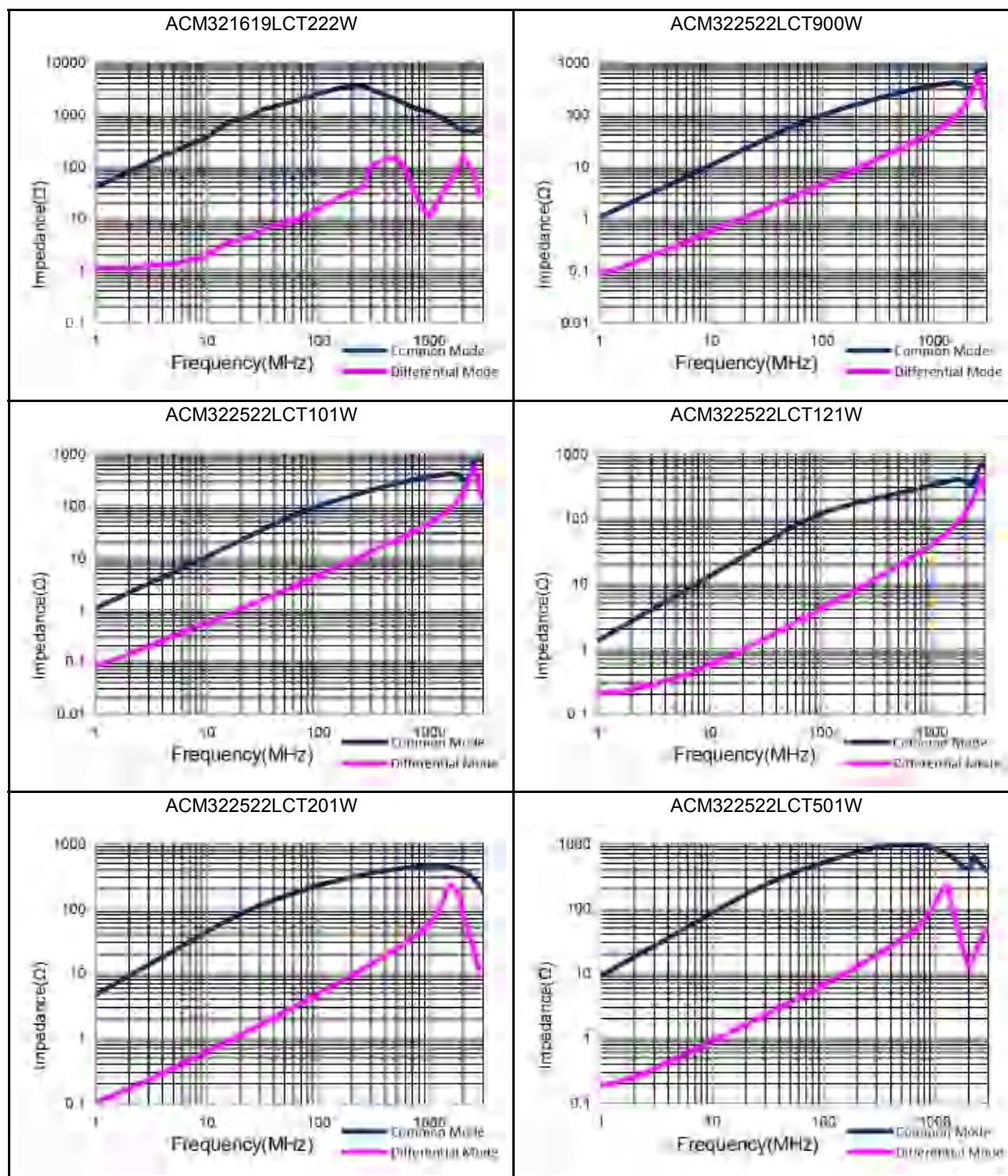
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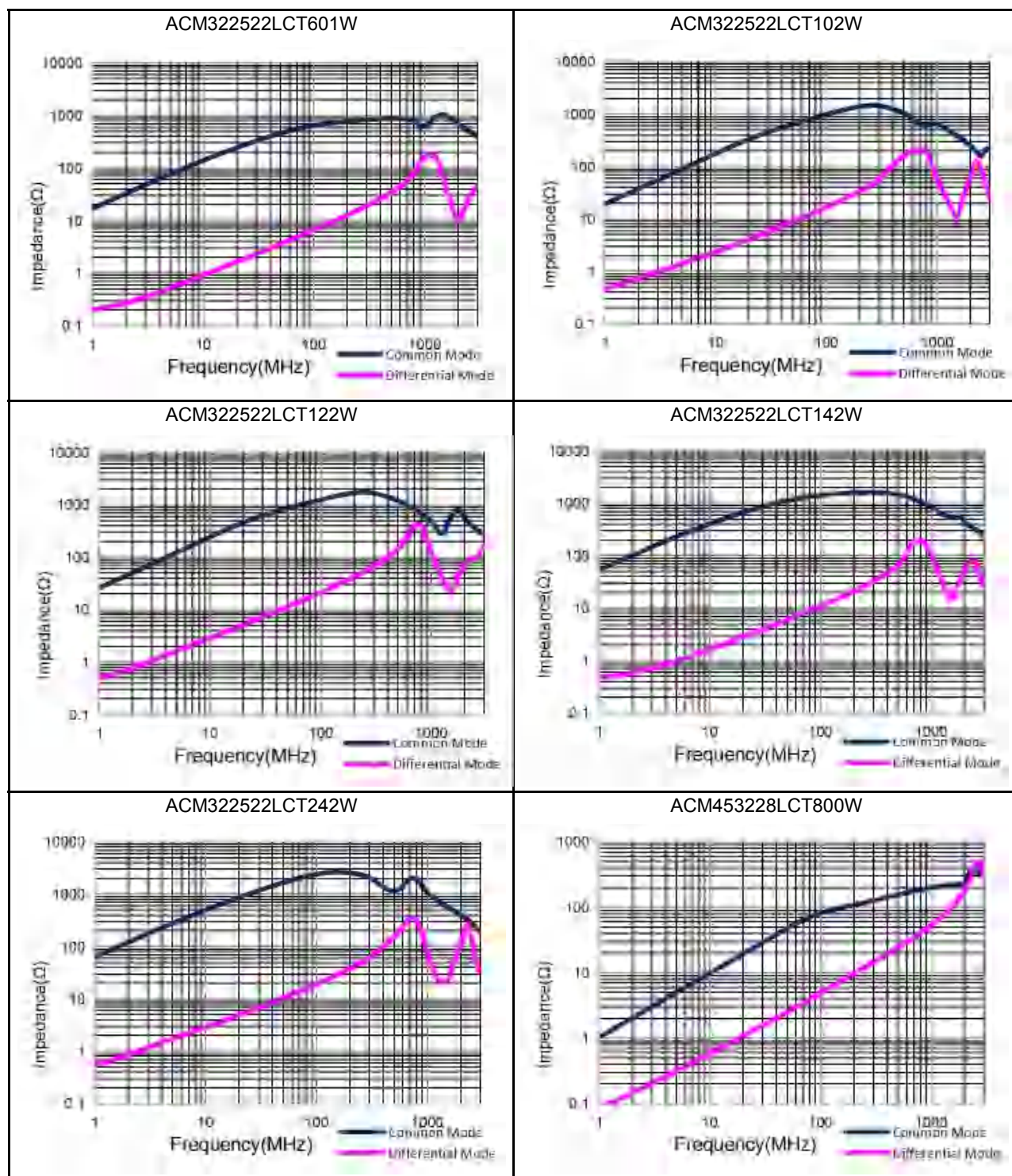
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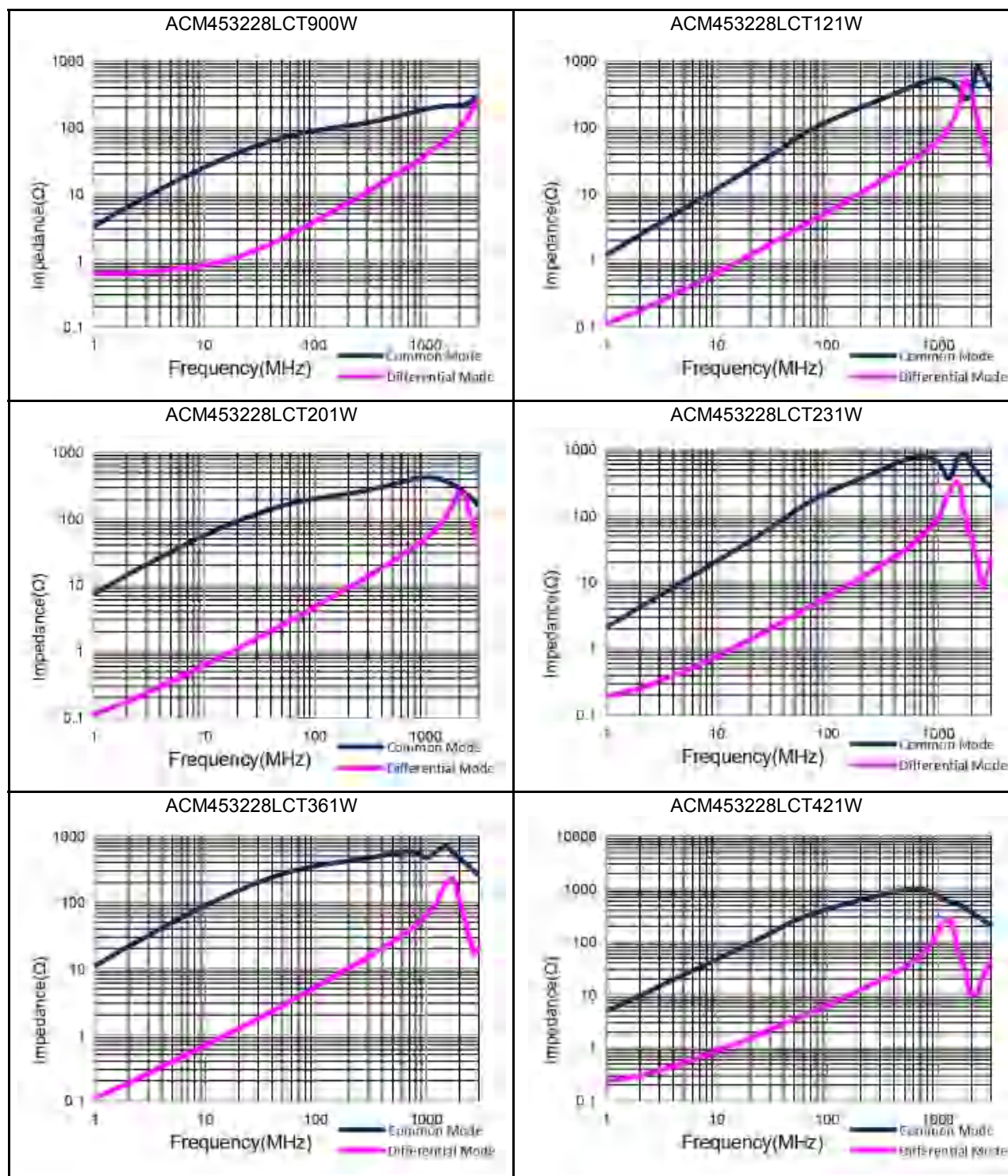
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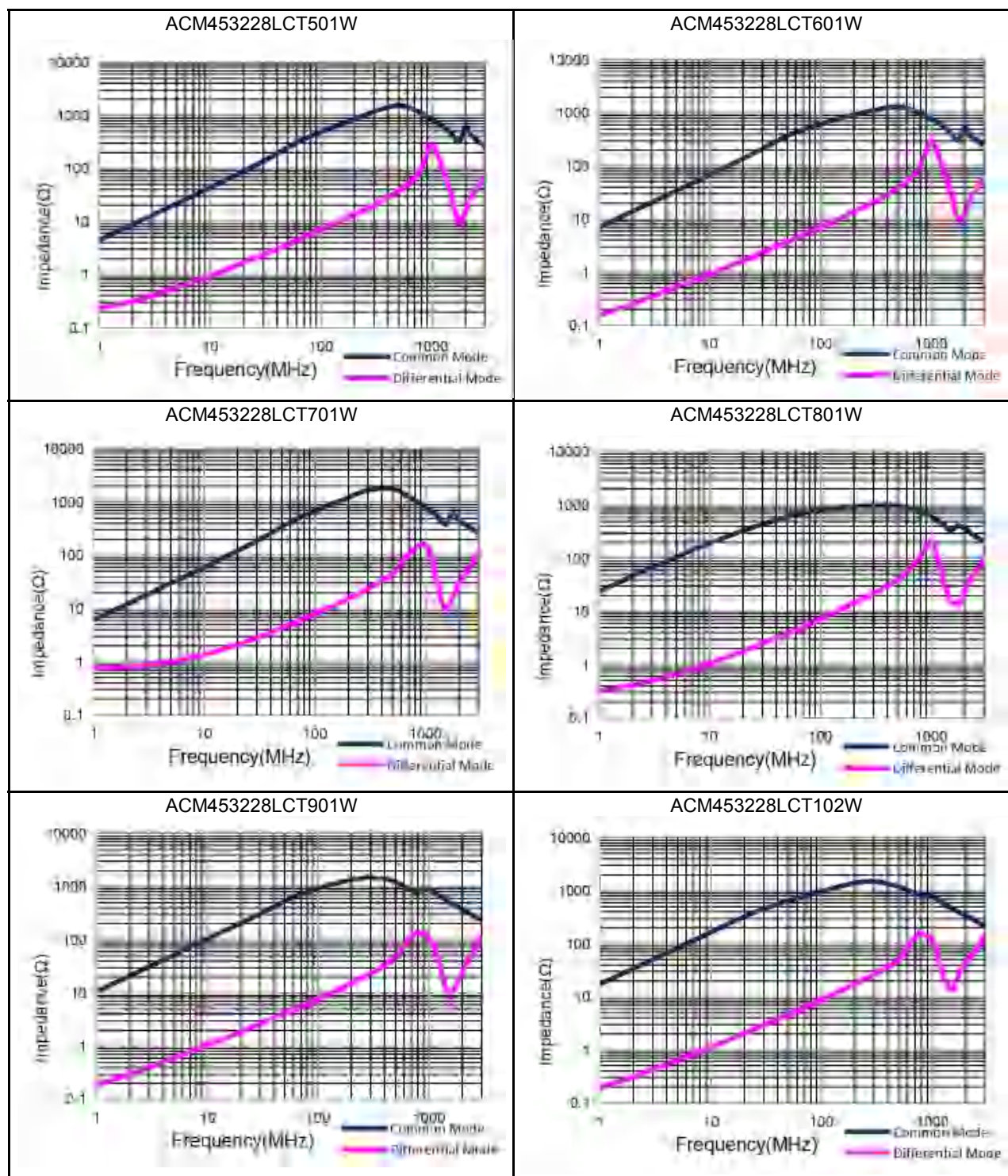
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