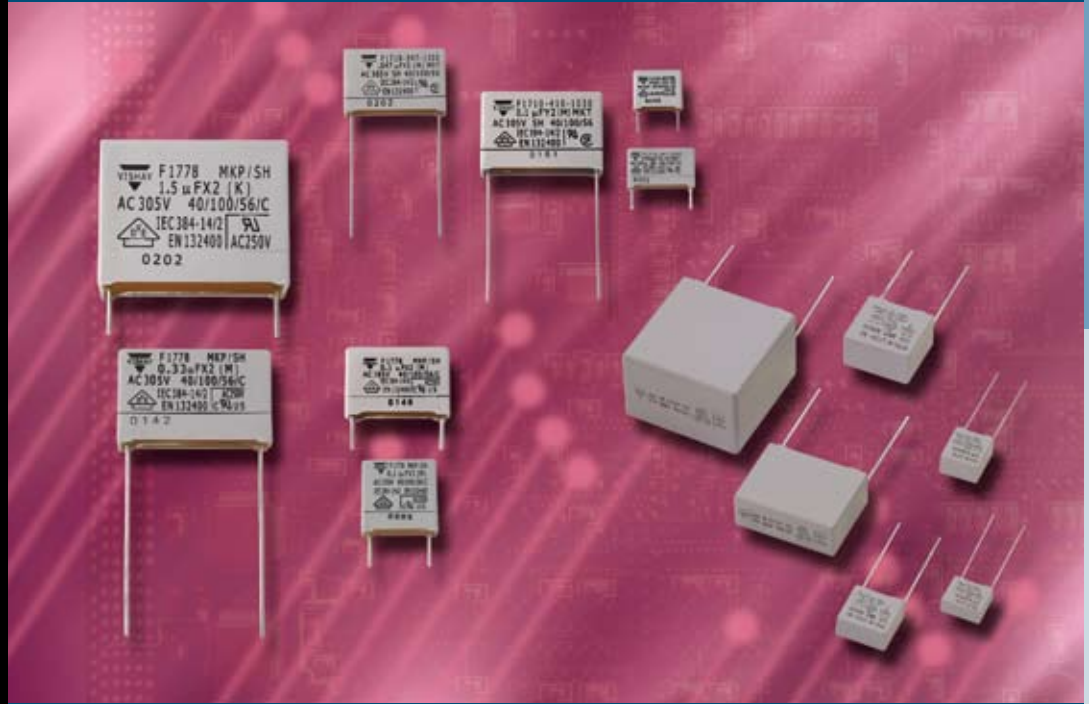




VISHAY INTERTECHNOLOGY, INC.



RFI SUPPRESSION COMPONENTS

AC Capacitors

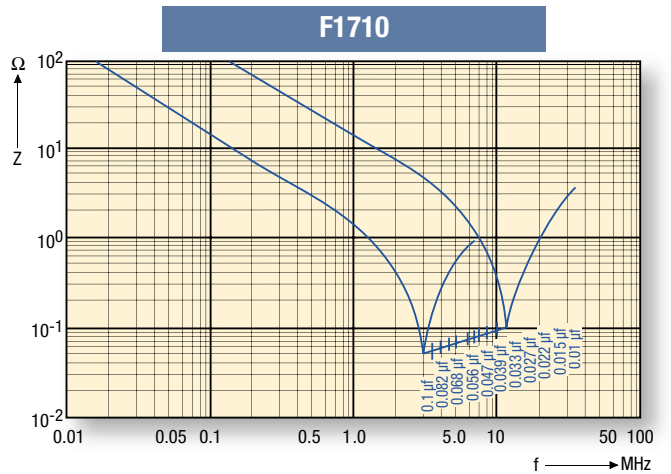
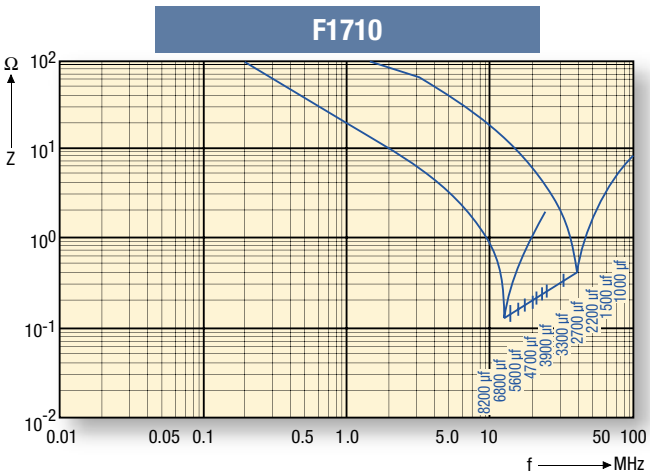
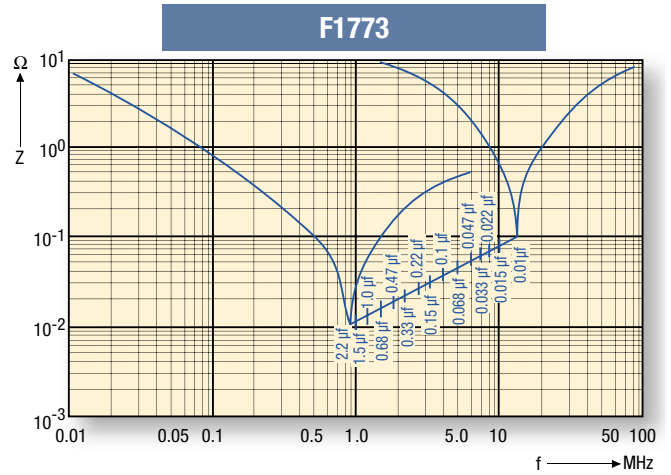
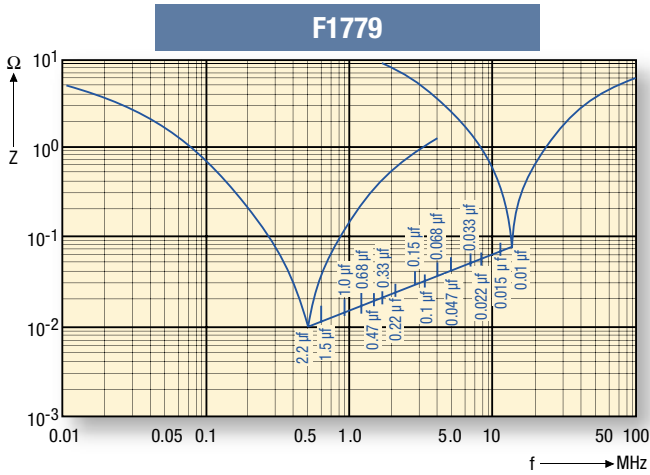
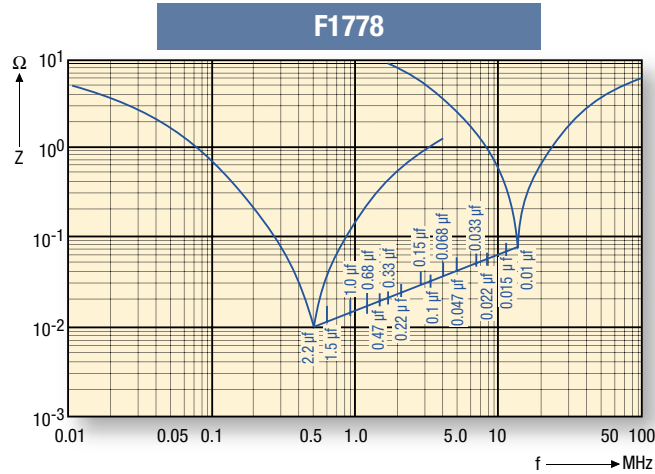


RFI Suppression Components










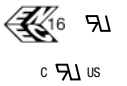
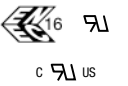
AC Capacitors



AC Capacitors Impedance (Z) as function of frequency (f) (average)



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TYPE		339	338 1	338 2	338 4	338 6
Capacitor-class		X2	X1	X2	X2	Y2
C _r and U _r (VAC)		275	440	275	300	300
33 pF						
47 pF						
68 pF						
100 pF						
150 pF						
220 pF						
330 pF						
470 pF						
680 pF						
1000 pF		7.5 / 10		7.5 / 10		7.5 / 10
1200 pF		7.5 / 10		7.5 / 10		7.5 / 10
1500 pF		7.5 / 10		7.5 / 10		7.5 / 10
1800 pF		7.5 / 10		7.5 / 10		7.5 / 10
2200 pF		7.5 / 10		7.5 / 10		7.5 / 10
2700 pF		7.5 / 10		7.5 / 10		7.5 / 10
3300 pF		7.5 / 10		7.5 / 10		7.5 / 10
3900 pF		7.5 / 10		7.5 / 10		7.5 / 10
4700 pF		7.5 / 10		7.5 / 10		7.5 / 10
5600 pF		7.5 / 10		7.5 / 10		7.5 / 10
6800 pF		7.5 / 10		7.5 / 10		7.5* / 10 / 15
8200 pF		7.5 / 10		7.5 / 10		7.5* / 10 / 15
0.01 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 10 / 15
0.012 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15
0.015 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15
0.018 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15
0.022 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15
0.027 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15
0.033 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15
0.039 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15
0.047 μF		7.5 / 10 / 15	7.5* / 15	7.5 / 10 / 15	7.5* / 15	7.5* / 15 / 22.5
0.056 μF		7.5 / 10 / 15	7.5* / 15	7.5* / 10 / 15	7.5* / 15	7.5* / 15 / 22.5
0.068 μF		7.5 / 10 / 15	7.5* / 15	7.5* / 10 / 15	7.5* / 15	22.5
0.082 μF		7.5* / 10 / 15	7.5* / 15	7.5* / 10 / 15	7.5* / 15	22.5
0.1 μF		7.5* / 10 / 15	7.5* / 15 / 22.5	7.5* / 10 / 15	7.5* / 15	22.5 / 27.5
0.12 μF		7.5* / 15 / 22.5	22.5	7.5* / 15 / 22.5	7.5* / 15	22.5 / 27.5
0.15 μF		7.5* / 15 / 22.5	22.5	7.5* / 15 / 22.5	7.5* / 15	22.5 / 27.5
0.18 μF		7.5* / 15 / 22.5	22.5	7.5* / 15 / 22.5	7.5* / 15	27.5
0.22 μF		7.5* / 15 / 22.5	22.5 / 27.5	7.5* / 15 / 22.5	7.5* / 15 / 22.5	27.5
0.27 μF		7.5* / 15 / 22.5	27.5	7.5* / 15 / 22.5	7.5* / 15 / 22.5	27.5
0.33 μF		7.5* / 15 / 22.5	27.5	7.5* / 15 / 22.5	7.5* / 15 / 22.5	27.5
0.39 μF		7.5* / 15 / 22.5	27.5	22.5 / 27.5	22.5	27.5
0.47 μF		7.5* / 15 / 22.5 / 27.5	27.5	22.5 / 27.5	22.5 / 27.5	27.5
0.56 μF		22.5 / 27.5	27.5	22.5 / 27.5	22.5 / 27.5	
0.68 μF		22.5 / 27.5	27.5	22.5 / 27.5	22.5 / 27.5	
0.82 μF		22.5 / 27.5	27.5	22.5 / 27.5	22.5 / 27.5	
1.0 μF		22.5 / 27.5	27.5	22.5 / 27.5	22.5 / 27.5	
1.2 μF		22.5 / 27.5		27.5	27.5	
1.5 μF		27.5		27.5	27.5	
1.8 μF		27.5		27.5	27.5	
2.2 μF		27.5		27.5	27.5	
2.7 μF		27.5		27.5	27.5	
3.3 μF		27.5		27.5	27.5	
3.9 μF		27.5		27.5	27.5 / 37.5	
4.7 μF		27.5			37.5	
5.6 μF					37.5	
6.8 μF					37.5 / 55	
8.2 μF					37.5 / 55	
10 μF					37.5 / 55	
Approvals	 Acc. IEC 60384-14/2 and EN 132400	 Acc. IEC 60384-14/2 and EN 132400	 Acc. IEC 60384-14/2 and EN 132400	 Acc. IEC 60384-14/2 and EN 132400	 Acc. IEC 60384-14/2 and EN 132400	
Dielectric	Polypropylene Film	Polypropylene Film	Polypropylene Film	Polypropylene Film	Polypropylene Film	
Text classification acc. to IEC 60068-1	55/110/56/B	55/105/56/B	55/105/56/B	55/105/56/B	55/105/56/B	

The figures in the tables of capacitances refer to the available PCM (lead spacing in mm).

* Bent back from pitch 15 mm to 7.5 mm



F1710	F1778		F1779	F1773	TYPE
Y2 / X1	X2	X2	X2	X2	Capacitor-class
305	275	305	275	253	C _r and U _r (VAC)
					33 pF
					47 pF
					68 pF
					100 pF
					150 pF
					220 pF
					330 pF
					470 pF
					680 pF
10 / 15					1000 pF
10 / 15					1200 pF
10 / 15					1500 pF
10 / 15					1800 pF
10 / 15					2200 pF
10 / 15					2700 pF
10 / 15					3300 pF
10 / 15					3900 pF
10 / 15					4700 pF
10 / 15					5600 pF
10 / 15					6800 pF
10 / 15					8200 pF
10 / 15	10	10	10	19	0.01 μF
15	10	10	10	19	0.012 μF
15	10	10	10	19	0.015 μF
15	10	10	10	19	0.018 μF
15 / 22.5	10	10	10	19	0.022 μF
15 / 22.5	10	10	10	19	0.027 μF
15 / 22.5	10	10	10	19	0.033 μF
15 / 22.5	10	10	10	19	0.039 μF
15 / 22.5	10	10	10	19	0.047 μF
15 / 22.5	10 / 15	10 / 15	10 / 15	19	0.056 μF
15 / 22.5	15	15	15	19	0.068 μF
22.5 / 27.5	10 / 15	10 / 15	10 / 15	19	0.082 μF
22.5 / 27.5	15	15	15	19	0.1 μF
	10 / 15	10 / 15	10 / 15	19	0.12 μF
	15 / 22.5	15 / 22.5	15 / 22.5	26.5	0.15 μF
	15	15	15	26.5	0.18 μF
	15 / 22.5	15 / 22.5	15 / 22.5	26.5	0.22 μF
	22.5	22.5	22.5	26.5	0.27 μF
	15 / 22.5	15 / 22.5	15 / 22.5	26.5	0.33 μF
	22.5	22.5	22.5	26.5	0.39 μF
	15 / 22.5 / 27.5	15 / 22.5 / 27.5	15 / 22.5 / 27.5	26.5	0.47 μF
	27.5	27.5	27.5	31.5	0.56 μF
	22.5 / 27.5	22.5 / 27.5	22.5 / 27.5	31.5	0.68 μF
	27.5	27.5	27.5	31.5	0.82 μF
	22.5 / 27.5	22.5 / 27.5	22.5 / 27.5	31.5	1.0 μF
	27.5	27.5	27.5	31.5	1.2 μF
	27.5	27.5	27.5	41.5	1.5 μF
	27.5	27.5	27.5	41.5	1.8 μF
	27.5	27.5	27.5	41.5	2.2 μF
					2.7 μF
	37.5	37.5			3.3 μF
					3.9 μF
	37.5	37.5			4.7 μF
					5.6 μF
					6.8 μF
					8.2 μF
					10 μF
EN 132400 IEC 60384-14/2 CB-Certificate DE 1 - 1088 	EN 132400 IEC 60384-14/2 CB-Certificate DE 1 - 8222 c US (250 VAC)	EN 132400 IEC 60384-14/2 CB-Certificate DE 1 - Pending c US (250 VAC)	EN 132400 IEC 60384-14/2 CB-Certificate DE 1 - 8222 (250 VAC)	EN 132400 IEC 60384-14/2 CB-Certificate DE 1 - 7470 (250 VAC)	Approvals
Polyester Film	Polypropylene Film	Polypropylene Film	Polypropylene Film	Polyester Film	Dielectric
40/105/56	40/100/56	40/100/56	40/100/56	40/100/56	Text classification acc. to IEC 60068-1



RFI Suppression Components

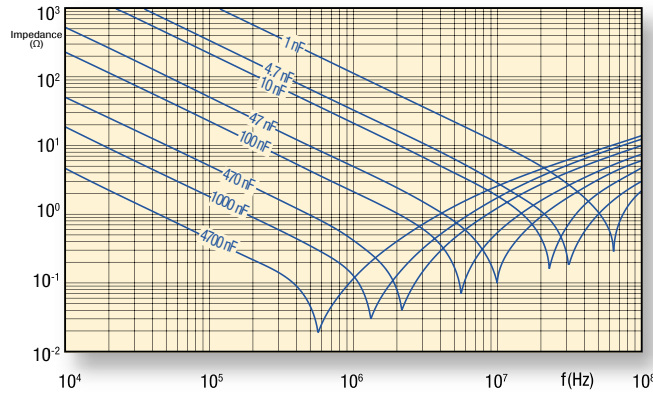
AC Capacitors



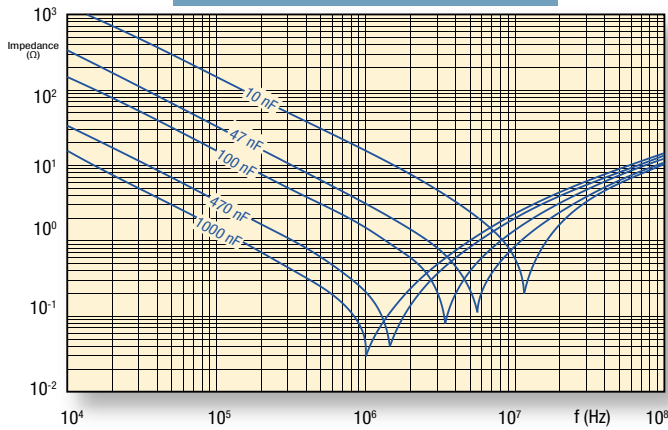
AC Capacitors

Impedance (Z) as function of frequency (f) (average)

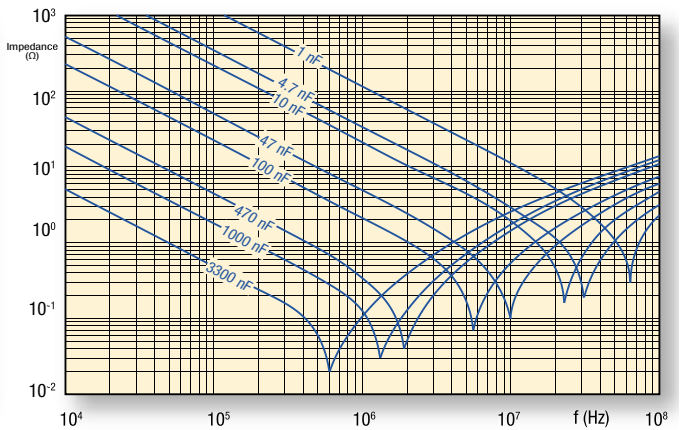
MKP 339 X2



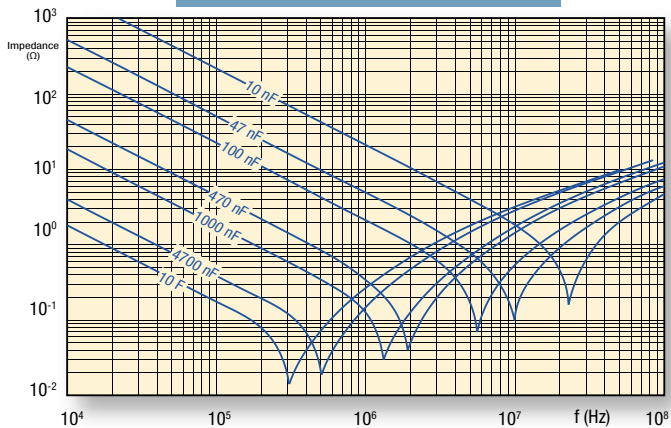
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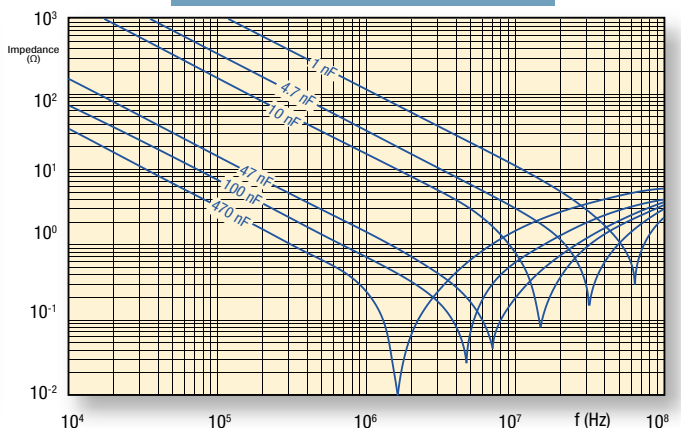
MKP 338 2 X2



MKP 338 4 X2



MKP 338 6 Y2



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