

Typical electrolytic capacitor ESR values

ESR values are in ohms

V=Working voltage

C=Capacitance in microfarads

V C	10	16	25	35	63	160	250
1			5	4	6	10	20
2.2			2.5	3	4	9	14
4.7			6	3	2	6	5
10		1.6	1.5	1.7	2	3	6
22	3	.8	2	1	.8	1.6	3
47	1	2	1	1	.6	1	2
100	.6	.9	.5	.5	.3	.5	1
220	.3	.4	.4	.2	.15	.25	.5
470	.15	.2	.25	.1	.1	.2	.3
1k	.1	.1	.1	.04	.04	.15	
4.7k	.06	.05	.05	.05	.05		
10k	.04	.03	.03	.03			

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