

Approx worst (highest) ESR readings for new capacitors

| | 10V | 16V | 25V | 35V | 63V | 160V | 250V |
|----------|------|------|------|------|------|------|------|
| 1uF | xxx | xxx | 5 | 4 | 6 | 10 | 20 |
| 2.2uF | xxx | xxx | 2.5 | 3 | 4 | 9 | 14 |
| 4.7uF | xxx | xxx | 6 | 3 | 2 | 6 | 5 |
| 10uF | xxx | 1.6 | 1.5 | 1.7 | 2 | 3 | 6 |
| 22uF | 3 | 0.8 | 2 | 1 | 0.8 | 1.6 | 3 |
| 47uF | 1 | 2 | 1 | 1 | 0.6 | 1 | 2 |
| 100uF | 0.6 | 0.9 | 0.5 | 0.5 | 0.3 | 0.5 | 1 |
| 220uF | 0.3 | 0.4 | 0.4 | 0.2 | 0.15 | 0.25 | 0.5 |
| 470uF | 0.15 | 0.2 | 0.25 | 0.1 | 0.1 | 0.2 | 0.3 |
| 1,000uF | 0.1 | 0.1 | 0.1 | 0.04 | 0.04 | 0.15 | xxx |
| 4,700uF | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | xxx | xxx |
| 10,000uF | 0.04 | 0.03 | 0.03 | 0.03 | xxx | xxx | xxx |