

Type WBR 85 °C, Industrial Grade, Axial Leaded, Aluminum

85 °C, Industrial Grade



Type WBR capacitors are the preferred choice for many varied industrial applications because they have high capacitance and extended life characteristics. The rugged construction delivers the high vibration resistance required in industrial applications

Highlights

- High capacitance
- Extended life
- Rugged construction
- High vibration resistance

RoHS Compliant

Specifications

Capacitance Range:	1.0 to 5,000 μ F
Voltage Range:	16 to 450 Vdc
Capacitance Tolerance:	16 to 50 Vdc -10 + 150%, 75 to 350 Vdc -10 + 100%, 450 Vdc -10 + 50%
Operating Temperature Range:	-40 °C +85°C
Leakage Current:	16-75 Vdc \leq 0.01CV + 10 μ A 150-450 Vdc \leq 0.03CV + 20 μ A
Ripple Current Multipliers:	Ambient Temperature

45 °C	55 °C	65 °C	75 °C	85 °C	95 °C	105 °C
1.50	1.46	1.32	1.17	1.00	0.79	0.50

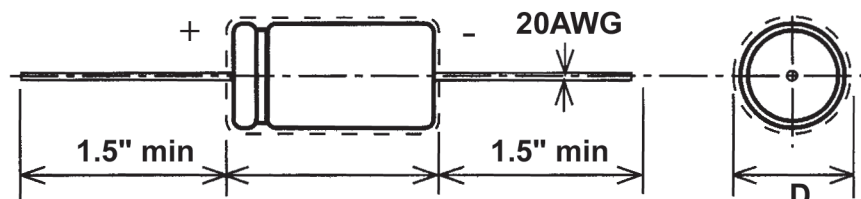
Frequency	60 Hz	120 Hz	400 Hz	1000 Hz	10 kHz	50 kHz	100 kHz
0-60 Vdc	0.85	1.00	1.10	1.15	1.15	1.15	1.15
61-200 Vdc	0.83	1.00	1.15	1.20	1.20	1.20	1.20
201-450 Vdc	0.80	1.00	1.15	1.30	1.30	1.30	1.30

Load Life: 2,000 h @ +85 °C
 Δ Capacitance \pm 20%
 Δ ESR 150% of limit
 Δ DCL 100% of limit

Shelf Life: 500 h @ 85 °C
 Δ Capacitance \pm 20%
 Δ ESR 150% of limit
 Δ DCL 100% of limit

Vibration: 10 to 55 Hz; 0.06" and 10 g max, 2 h in each plane

Outline Drawing



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