

Capacitor Unit Details

Capacitor Part Number:

98L155WC10

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|---|------------------|-----------|
| Rated Voltage | 19920 V | 60 Hz |
| KVAR at Rated Voltage | 400 kVAR | |
| Rated Capacitance | 2.67 μ F | |
| Manufacturing tolerance for capacitor unit kvar | -0% to +10% | |
| Capacitor Unit BIL | 150 kV | |
| Bushing Leakage Distance (Nominal) | 18 in | 457 mm |
| Number of Film Layers per Pad | 2 | |
| Total Film Pad Thickness | 1.15 mil | |
| Dry Space Factor | 30.1 % | |
| Number of Series Sections | 10 | |
| Number of Parallel Packs per Section | 1 | |
| Section Voltage | 1992 Volts | |
| Volts/mil stress (film only) | 1732 Volts/mil | |
| Volts/mil stress (film and fluid) | 1331 Volts/mil | |
| Discharge Resistor Rating | 15.29 M Ω | |
| Weight | 88.2 Lbs | 40.1 kg |
| Gallons of Dielectric Fluid | 3.23 Gal | |
| Ground Test | 0 V | AC 10 sec |
| Dielectric Test | 42828 V | AC 10 sec |
| Manufactured with Folded edges (Y/N) | Yes | |

Additional Comments:

- Case thickness: Sides: 0.042", Cover: 0.05", Bottom: 0.09".
- Average losses of a stabilized unit in service is 0.1 W/kvar.
- Paint is an epoxy primer w/ urethane top coat meeting ANSI C57.12.31-2010 Pole Mounted Equipment .
- Internal elements will be extended foil and connected using ultrasonic welding.
- Capacitor unit operating temperature range is -50 to +50 deg. C.
- Maximum Bushing Torque 25 Ft-Lbs or 34 N-m.
- Percent Alteration on Surface Altered Film is 10% (avg.).
- Fluid Type (Non PCB) is DIELEKTROL VIIa, with a Dielectric Constant of 2.62.

