

## Capacitor Unit Details

### Capacitor Part Number:

**51L255WC62**

Rated Voltage	19920 V	60 Hz
KVAR at Rated Voltage	50 kVAR	
Rated Capacitance	0.33 $\mu$ 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	1.20 mil	
Dry Space Factor	26.3 %	
Number of Series Sections	10	
Number of Parallel Packs per Section	0.5	
Section Voltage	1992 Volts	
Volts/mil stress (film only)	1660 Volts/mil	
Volts/mil stress (film and fluid)	1314 Volts/mil	
Discharge Resistor Rating	119 M $\Omega$	
Weight	28 Lbs	12.7 kg
Gallons of Dielectric Fluid	1.09 Gal	
Ground Test	0 V	AC 10 sec
Dielectric Test	39840 V	AC 10 sec
Manufactured with Folded edges (Y/N)	No	

### 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.

