

Capacitor Unit Details

Capacitor Part Number:

18L0051WH

Rated Voltage	13800 V	60 Hz
KVAR at Rated Voltage	35.9 kVAR	
Rated Capacitance	0.5 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	1.30 mil	
Dry Space Factor	29.2 %	
Number of Series Sections	12	
Number of Parallel Packs per Section	1	
Section Voltage	1150 Volts	
Volts/mil stress (film only)	885 Volts/mil	
Volts/mil stress (film and fluid)	685 Volts/mil	
Discharge Resistor Rating	85 M Ω	
Weight	49.1 Lbs	22.3 kg
Gallons of Dielectric Fluid	1.58 Gal	
Ground Test	0 V	0 sec
Dielectric Test	86250 V	DC 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.

