GE Energy

Capacitor & Power Quality Products

Capacitor Unit Details

Capacitor Part Number:	59L113WC60			
Rated Voltage	13800	V	60	Hz
KVAR at Rated Voltage	300	kVAR		
Rated Capacitance	4.18	µF		
Manufacturing tolerance for capacitor unit kvar	-0%	to +10%		
Capacitor Unit BIL	95/95	kV		
Bushing Leakage Distance (Nominal)	12/12	in	305/305	mm
Number of Film Layers per Pad	2			
Total Film Pad Thickness	1.20	mil		
Dry Space Factor	29.2	%		
Number of Series Sections	6			
Number of Parallel Packs per Section	2			
Section Voltage	2300	Volts		
Volts/mil stress (film only)	1917	Volts/mil		
Volts/mil stress (film and fluid)	1484	Volts/mil		
Discharge Resistor Rating	10.38	MΩ		
Weight	55.3	Lbs	25.1	kg
Gallons of Dielectric Fluid	2.02	Gal		
Ground Test	34000	V AC	10	sec
Dielectric Test	27600	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.

General Electric Company
381 Broadway
Fort Edward, NY 12828 USA