



1605 East Rodney, French BLVD
New Bedford MA 02744

Electrical Characteristics

Capacitance: 0.068 μ F
Tolerance: $\pm 10\%$ @ 25°C 1KHz
Rated Voltage: 500Vdc

Pulse Rise Time (dV/dt): 800V/ μ s
Peak Current: 54 Amps
RMS Current: 6.89 Amps Max. at 25°C and 800KHz
5.48 Amps Max. 50°C and 800KHz
4.64 Amps Max. at 60°C and 800KHz
1.11 Amps Max. at 85°C and 800KHz

Dissipation Factor: 0.1% Max. @ 25°C 1KHz
Insulation Resistance: > 100,000 Meg-Ohms
Dielectric Strength: 1000VDC for 1 minute.

Series Equivalent Resistance (ESR): 1.95 milli-Ohms (Typical) at 100KHz and 25°C
Equivalent Series inductance (ESL): 9nH
Self Resonant Frequency: 6.4 MHz

Operating Temperature: -55°C to 85°C

CONSTRUCTION

CDE/DPFF Series - Same as BPFF5S68-1K
POLYPROPYLENE FILM/FOIL and Metallized Film (Non-inductive)
SELF HEALING
Case: Box/Epoxy Fill, Flame Retardant UL94V 0

All Dimensions In Inches Unless Otherwise Specified
Tolerance: ± 0.010 Otherwise Specified

THIS CAPACITOR IS DESIGNED IN COMPLIANCE WITH THE REQUIREMENTS OF THE
EUROPEAN UNION ISSUED DIRECTIVE 2002/95CE FOR THE RESTRICTION
OF HAZARDOUS SUBSTANCES (RoHS)

Typical Marking

BPFF5S68-1K-F
0.068MFD $\pm 10\%$
500VDC CD

