

Eaton's film safety (also known as film EMI suppression) capacitors are constructed using metalized polypropylene film encapsulated with a self-extinguishing resin in a case using material meeting UL94V-0 requirements. Class X1/X2 product series are offered in many sizes, lead lengths, and terminal configurations, with standard families available for each class. Eaton also offers automotive-grade film safety capacitors of the same construction.

Eaton film DC-link capacitors are constructed using metalized polypropylene film encapsulated with epoxy resin in a plastic case with 2 or 4 pin tinned copper terminals. This standard family is suitable for high-performance DC filtering applications. Eaton also offers automotive-grade film safety capacitors of the same construction.

Film DC-link capacitors



- Capacitance range: 1 uF to 200 uF
- Operating temperature rating: - 55 °C to + 105 °C
- Voltage rating: 450 Vdc to 1200 Vdc
- High ripple current
- Low loss and low ESL
- THB Grade IIIB and AEC-Q200 qualified for the automotive grade series
- Flame-retardant plastic case and resin

Film safety capacitors



- High stability capacitance
- Operating temperature rating: - 40° C to + 110 °C
- Self-healing property
- Overvoltage stress withstanding
- Voltage rating: 305 Vac to 480 Vac
- Flame-retardant plastic case and resin
- THB Grade IIIB and AEC-Q200 qualified for the automotive grade series
- Approvals: UL/cUL, VDE/ENEC, CQC, KC