



Eaton offers standard and automotive-grade film capacitors for electronic applications



Eaton's film capacitors use metallized polypropylene film (and double-sided metallized polyester film for pulse capacitors), encapsulated in plastic enclosure with epoxy resin.

Product description

Eaton's film capacitors use metallized polypropylene film (and double-sided metallized polyester film for pulse capacitors), encapsulated in plastic enclosure with epoxy resin.

Features and benefits

Eaton film safety (standard & automotive-grade)

- High stability capacitance
- Operating temperature rating: -40° C to +110 °C
- Self-healing property
- Flame-retardant plastic case and resin
- THB Grade IIIB and AEC-Q200 qualified automotive option available
- Approvals: UL/cUL, VDE/ENEC, CQC, KC

Features and benefits

Eaton film DC-link (standard & automotive grade)

- Capacitance range: 1 μ F to 200 μ F
- Operating temperature rating: -40/-55 °C to +105 °C
- Voltage rating: 450 Vdc to 1200 Vdc
- THB Grade IIIB and AEC-Q200 qualified automotive option available
- Flame-retardant plastic case and resin

Features and benefits

Eaton film pulse: EFPLS & EFPLA (standard & automotive-grade)

- Capacitance range: 0.001 μ F to 4.7 μ F
- Operating temperature rating: -40/50 °C to +105 °C
- Voltage rating: 630 Vdc to 2000 Vdc
- High ripple current
- Low loss
- THB Grade IIIB and AEC-Q200 qualified automotive option available

Features and benefits

Eaton film AC-filtering: EFACA (automotive grade)

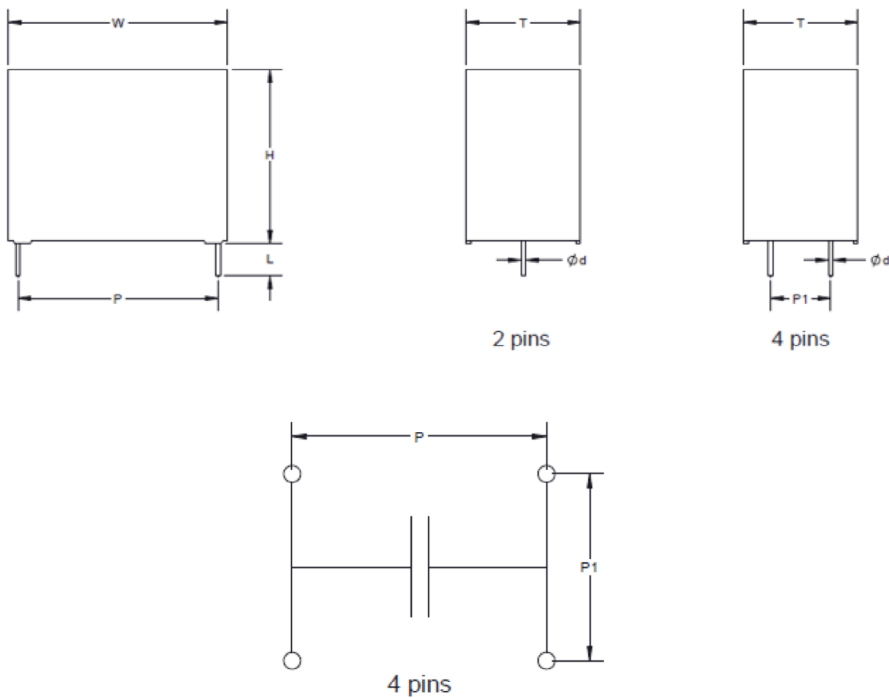
- Capacitance range: 0.1 μ F to 60 μ F
- Operating temperature rating: -55 °C to +105 °C
- Voltage rating: 180 Vac to 760 Vac
- High ripple current
- Low loss
- THB Grade IIIB and AEC-Q200 qualified automotive option available

Product specifications

Product number	Product type	Capacitance range	Voltage rating	Operating temperature	THB Grade IIIB qualified	AEC-Q200 qualified
EFDKS	DC Link	1 μ F to 200 μ F	450 Vdc to 1200 Vdc	-40 °C to +105 °C		
EFDKA	DC Link	1 μ F to 200 μ F	450 Vdc to 1200 Vdc	-55 °C to +105 °C	X	X
EFX1S	X1, Safety	0.01 μ F to 5.6 μ F	480 Vac/1000 Vdc	-40 °C to +110 °C		
EFX1A	X1, Safety	0.01 μ F to 1.8 μ F	480 Vac/1000 Vdc	-40 °C to +110 °C	X	X
EFX2S	X2, Safety	0.1 μ F to 15 μ F	305 Vac/630 Vdc	-40 °C to +110 °C		
EFX2A	X2, Safety	0.1 μ F to 15 μ F	305 Vac/630 Vdc	-40 °C to +110 °C	X	X
EFACA	AC Filtering	0.1 μ F to 60 μ F	180 Vac to 760 Vac	-55 °C to +105 °C	X	X
EFPLS	Pulse	0.001 μ F to 4.7 μ F	630 Vdc to 2000 Vdc	-40 °C to +105 °C		
EFPLA	Pulse	0.001 μ F to 4.7 μ F	630 Vdc to 2000 Vdc	-55 °C to +105 °C	X	X

Mechanical parameters, schematic, pad layout (mm)

Drawing is representative. See data sheets for actual dimensions and configurations.



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