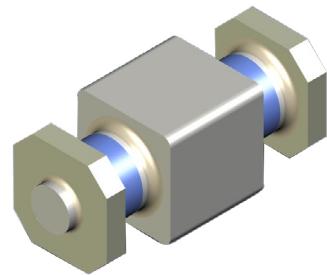


Surface-Mount EMI Filters >

Offering high-performance electromagnetic interference (EMI) suppression for power-dense applications, Surface-Mount EMI Filters provide high-current capability, exceptional durability and superior insertion loss in a compact package. Surface mounting supports efficient, cost-effective manufacturing for complex systems.



ADVANTAGES AND FEATURES

Saves space on the PCB

The compact footprint and surface mounting save space and eliminate the need for bulky through-hole filters on densely populated boards.

Enables use with high-power applications

Current ratings up to 20.0A and voltage ratings up to 200V DC, along with 700V DC dielectric withstanding voltage, enhance design flexibility.

Complies with stringent regulations

These EMI filters meet industry electromagnetic compatibility standards and are lead free and RoHS compliant, conforming to global regulations.

Capacitance Values	100 to 4,000 pF
Frequencies	1 MHz to 1 GHz
Circuit Options	C, Pi
Current	10.0 to 20.0A
Voltage	Up to 200V DC
Operating Temperatures	-55 to +125°C

Delivers exceptional performance

Capacitance up to 100 pF and insertion loss of 70 dB for a wide frequency range from 1 MHz to 1 GHz enable use with a variety of high-performance applications.

Provides high reliability in challenging conditions

The rugged design and temperature rating of -55 to +125°C helps prevent electrical failures and lengthens the product lifespan for devices subject to harsh environments.

MARKETS AND APPLICATIONS

Defense

Military vehicles
Power supplies
Radar systems

Aerospace

Cockpit controls
First- and business-class seats
Hydraulic and control systems

Telecommunications

Computer and peripheral equipment
Digital and switching equipment
Internet protocol digital subscriber line access multiplexer (IP DSLAMs)
Microwave, data and signal lines



Cockpit Controls



Military Vehicles



IP DSLAMs

Surface-Mount EMI Filters >

SPECIFICATIONS

Reference Information

Packaging: Tape and reel, bulk
Designed in: Millimeters
RoHS: Yes

Electrical

Capacitance: 100 to 4,000 pF
Filter Circuits: C, Pi
Current: Up to 10.0A (Pi circuit) or 20.0A (C circuit)
Voltage: Up to 200V DC
Dielectric Withstanding Voltage: 700V DC
Frequency Range: 1 MHz to 1 GHz
Insertion Loss: Up to 70 dB

Mechanical

Mounting Method: Surface-mount technology
Height: 3.00mm
Length: 8.25mm
Width: 3.00mm

Physical

Operating Temperatures: -55 to +125°C