



Multicomponent Capacitors for Low & High Frequency Filtering

F5D Series Metallized Polyester Film with Integrated Ceramic Capacitor



Why Choose KEMET

KEMET is your seamless, integrated, single source for capacitance solutions worldwide. With 95% of possible dielectric solutions, global availability, on-time delivery, plus full custom design services. One world. One KEMET.

Features & Benefits

- First-to-market film and ceramic multicomponent capacitor filters both low and high frequency EMI/RFI in one small device
- Includes self-healing MKT film capacitor capable of withstanding high voltage peaks for low frequency filtering and multilayer ceramic capacitor of low capacitance for high frequency filtering
- Can be mounted without a printed circuit board by welding
- Non-polar device, minimizing installation concerns
- Customized variants available
- AEC-Q200 and ISO 7637-2 qualified
- RoHS compliant with lead-free terminations
- Climatic category 55/125/56 IEC 60068-1
- Tape and reel packaging in accordance with IEC 60286-2

Programs Supported

For worldwide use as EMI/RFI suppressors in automotive motors and other suppression applications. Mainly used for automotive applications without a printed circuit board (e.g., motor suppression) or mixed through-hole and surface mount printed circuit boards. Common applications include the following:

- Engine blower fans
- Central locking systems
- Heating/air conditioning blowers
- Electric sun roofs
- Electric window regulators
- Fuel/oil pumps
- Electric windshield wipers
- Electrically operated seats

KEMET Electrical/Physical Characteristics

Construction	Metallized polypropylene (MKT) film capacitor with integrated ceramic capacitor encapsulated in thermosetting resin-filled plastic box with tinned wire leads. Box material is solvent resistant and flame retardant according to UL 94 V-0.
Tolerances	±10%, ±20%
Temperature Range	-55°C to +125°C
Voltage Options	63VDC, 100VDC
Capacitance Values	Film capacitor: 100nF – 2.2µF Ceramic capacitor: 10pF – 100nF
Pitch	5 mm, 10 mm



For more information, samples and engineering kits, please visit us at www.kemet.com or call 1.877.myKEMET.