



**FTCAP**  
FISCHER & TAUSCHE  
CAPACITORS

# Professional Capacitor Solutions



# Electrolytic Capacitors



Design	Screw terminal	Snap-in	Axial leaded
Type	G, GP, GMX, GM, GG, GW, GF	SI, SI4P, SIG, SI4G	A, AH, AG
Capacity range	390 $\mu$ F to 3.3 F	56 $\mu$ F to 330000 $\mu$ F	4.7 $\mu$ F to 82000 $\mu$ F
Voltage range	16 V to 450 V	16 V to 500 V	16 V to 500 V
Temperature range	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C
Useful lifetime	2 k to 12 k hours	2 k to 5 k hours	2 k to 3 k hours
Special remarks	High temp, high ripple, self-extinguishing	Long-life, high temp, compact	Long-life, high temp
Application	Professional, industrial	Professional, industrial	Professional, industrial



Design	Solder lug	Motorstart	Photoflash
Type	LF, LFH	MDK, MEK	Axial and radial
Capacity range	56 $\mu$ F to 330000 $\mu$ F	10 $\mu$ F to 220 $\mu$ F	12 $\mu$ F to 80000 $\mu$ F
Voltage range	16 V to 500 V	160 V to 320 V	250 V to 500 V
Temperature range	-40 °C to +105 °C	-25 °C to +60 °C	-55 °C to +105 °C
Useful lifetime	3 k hours		10 <sup>6</sup> flashes
Special remarks	Long-life, compact	In part with VDE	Charge / discharge proof
Application	HIFI, industrial, laser, telecommunication	Motorstart, whitegood motorcontrol	High flash frequency Photoflash, laser, hair removal

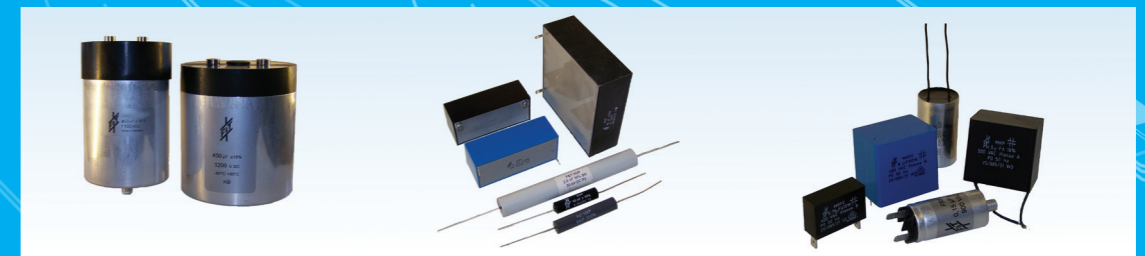


Design	Audio frequency	Central mounting	PCB solder pins
Type	ATBI, ATBIG	S, SH, SZ	GS, GSH, GSG
Capacity range	1 $\mu$ F to 200 $\mu$ F	22 $\mu$ F to 22000 $\mu$ F	56 $\mu$ F to 330000 $\mu$ F
Voltage range	35 V to 100 V	16 V to 500 V	16 V to 500 V
Temperature range	-40 °C to +85 °C	-40 °C to +105 °C	-55 °C to +125 °C
Useful lifetime	5 k hours	3 k hours	2k to 5 k hours
Special remarks	Bipolar with smooth or rough foil	High mechanical stability, soldering lug terminals	PCB solder pins
Application	HIFI, consumer	Tube amplifier, HIFI	HIFI, inverters / drives, traction

# Film Capacitors



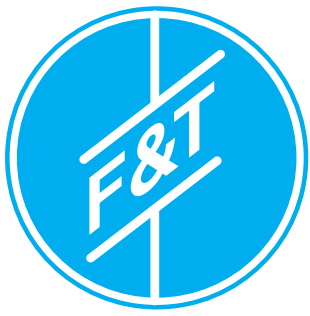
Type	Joule Cap	Castor Cap	Coax Cap
Design	Radial 2 and 4 pins	Radial 4 pins	Radial threaded stud/ male-female
Capacity range	2.5 $\mu$ F to 50 $\mu$ F	4 $\mu$ F to 32 $\mu$ F	20 $\mu$ F to 400 $\mu$ F
Voltage range	500 VDC to 1500 V DC	600 VDC to 1700 V DC	600 V DC to 1900 V DC
Temperature range	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Special remarks	Robust internal special contacts	Industry standard, PCB mount	Ultra low inductance allowing max $I_{RMS}$ up to 100 A
Application	Inverters, Photoflash	Medium power applications	Induction heating, railway



Design	With solid connections	High voltage	Motor capacitors
Type	Energy Cap	Different connectivity	Different connectivity
Capacity range	200 $\mu$ F to 3300 $\mu$ F	On request	0.1 $\mu$ F to 33 $\mu$ F
Voltage range	700 V DC to 1500 V DC	Up to 120 kV DC	125 V AC to 400 V AC
Temperature range	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Special remarks	Long-life, robust	Suitable for submersion in oil	In part with VDE
Application	DC-Link application	High voltage application	Pumps, ventilator, motor



Design	Custom made film capacitors
Type	Axial, radial, pins, screw terminals ... — uncountable connectivity
Capacity range	Up to 12000 $\mu$ F
Voltage range DC	100 V DC to 40 kV DC
Voltage range AC	On request
Temperature range	-40 °C to +85 °C
Special remarks	Suitable for submersion in oil, for high vibration applications, bottom side cooling, application with superimposed alternating current



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