

Segmented Film Capacitors

(DMSF,FMSF,TMSF)



SF Series

MERITEK

FEATURES

- Segmented metallized film material, safety-compliant.
- High reliability, moisture resistance and excellent electrical characteristics.
- Low ESR
- Non-inductive construction available

SPECIFICATIONS

1. Operating temperature: -40°C to $+85^{\circ}\text{C}$
2. Capacitance range: $0.001\mu\text{F}$ to $0.47\mu\text{F}$
3. Capacitance tolerance: $\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)
4. Rated voltage: Up to 700VAC
5. Dissipation factor: 0.1% max. at 1KHz 25°C
6. Insulation resistance: $>30000\text{M}\Omega$ ($C \leq 0.33\mu\text{F}$)
 $>1000\text{M}\Omega \cdot \mu\text{F}$ ($C > 0.33\mu\text{F}$)

PART NUMBERING SYSTEM

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Capacitance

CODE	102	103	104	105
(pF)	1,000	10,000	100,000	
(nF)	1	10	100	1000
(μF)	0.001	0.01	0.1	1

Tolerance

CODE	J	K	M
Tolerance (%)	± 5	± 10	± 20

Rated Voltage

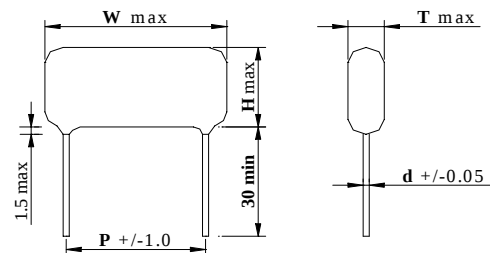
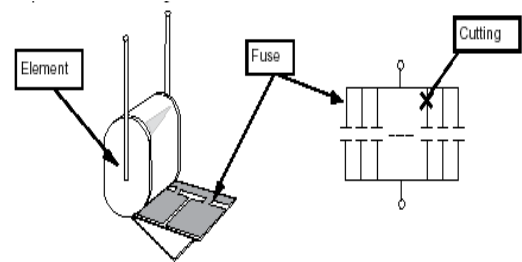
FMSF 103 K 250VAC

Dimensions

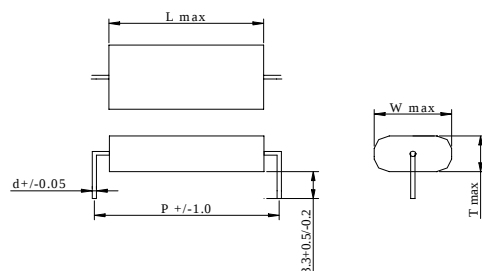
mm				
W	L	T	P	d
XX	XX	XX	XX	XX



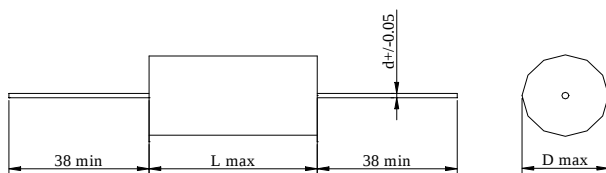
Segmented Film capacitors have a conventional winding structure with unique segmented metallized electrodes. These electrodes form a parallel connection of many small valued capacitors. Should dielectric breakdown occur due to over voltage, only the faulty small cap is disconnected resulting in an open circuit, thereby preventing the entire capacitor from burning.



DMSF series



FMSF series



TMSF series