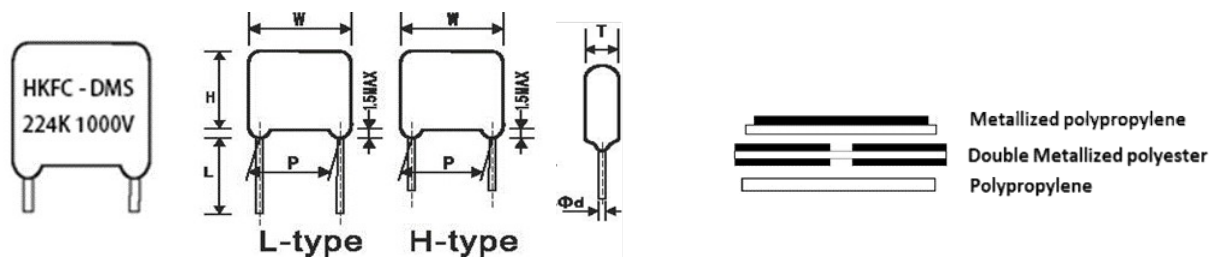


# HK Film Capacitor Ltd

## 11. High Voltage Pulse Capacitor – Dipped type : ST-DMS series

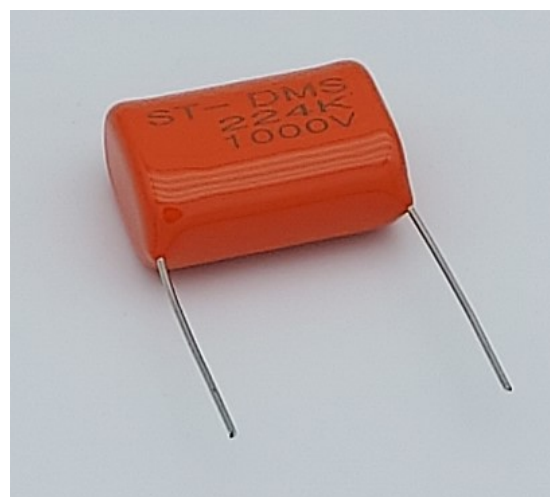


### FEATURES

- Double sided metallized polypropylene film , series non-wound construction
- Low loss at high frequency
- Small inherent temperature rise
- Flame retardent epoxy powder coating

### TYPE APPLICATION:

- Widely used in medium and high frequency AC and DC circuits;
- High voltage, high pulse, high energy storage, fast charge and discharge performance;
- High dv/dt value, high frequency filter absorption performance, and can be use in SCR rectifier circuit;
- Spike voltage clamping and protection.



### Specifications

Reference Standard		GB/T 10190 (IEC 60384-16)					
Climatic Category		40/85/56					
Rated Temperature		85°C					
Operating Temperature Range		-40~+85°C					
Rated voltage	(vdc at+85°C)	630V	800V	1000V	1200V	1600V	2000V
Rated voltage	(vac at+85°C)	250V~	330V~	400V~	450V~	500V~	550V~
Capacitance range		0.047μF~0.47μF					
Capacitance tolerance		±5% (J),±10% (K)					
Voltage Proof	(vdc at+25°C)	1.6* R.V(DC) , 5s (between terminals)					
Voltage Proof	(vac at+25°C)	1.6* R.V(AC) , 5s (between terminals)					
Dissipation factor		≤0.1% (1KHz at 20~25°C)					
Insulation Resistance		≥50 000MΩ, C <sub>R</sub> ≤0.33μF ≥15 000 s, C <sub>R</sub> > 0.33μF ( at 100 VDC , 60s 20~25°C)					
If the working voltage (U) is lower than the rated voltage (U <sub>R</sub> ), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with U <sub>R</sub> /U.		U <sub>R</sub> (V)		dV/dt (V/us)			
				P=15	P=22.5	P=27.5	P=32.5
		630V/250V~		950	500	450	/
		800V/330V~		1390	720	660	/
		1000V/400V~		1980	1020	930	/
		1200V/450V~		/	1370	1250	/
		1600V/500V~		/	2400	1490	/
2000V/550V~		/	3400	3100	/		

Note: If the customer has special requirements, it can be produced according to customer requirements.