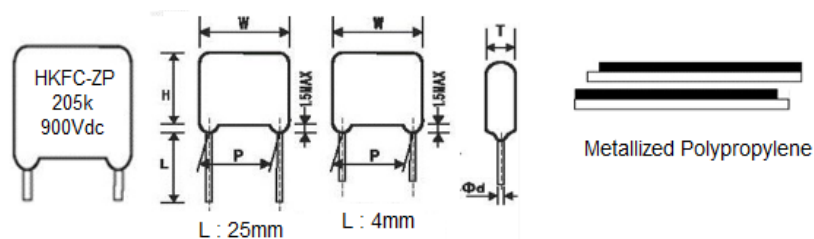


# HKFC Industrial Pty Ltd

<https://hkfc-industrial.com>

Pulse Grade Capacitor – Dipped type : HKFC-ZP series

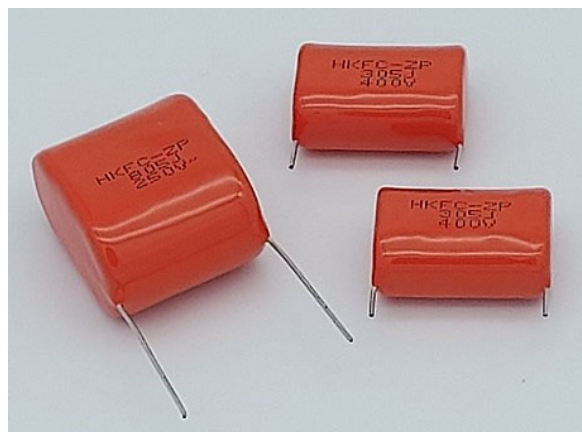


## FEATURES

- Metallized Polypropylene film, non-inductive wound construction
- Wide range of rated voltage and rated capacitance
- Low loss
- Flame retardent epoxy powder coating
- For high pulse current/energy discharge applications

## TYPE APPLICATION:

- for pulse current and energy discharge circuits
- AC/DC pulse applications
- Coupling, AC and DC, filtering, bypass, etc., and other power electronics
- Optional: support 85/85 test requirement



## Specifications

Reference Standard		GB/T 10190 (IEC 60384-16)				
Climatic Category		40/85/21				
Rated Temperature		85C				
Operating Temperature Range		-40~+85V				
Rated voltage	(vdc at+85C)	450V	650V	900V	1000V	
Rated voltage	(vac at+85C)	250V~	300V~	400V~	420V~	
Capacitance range		0.5μF~8.0μF				
Capacitance tolerance		±5% (J),±10% (K)				
Voltage Proof	(vdc at+25C)	1.6* R.V(DC) , 5s (between terminals)				
Voltage Proof	(vac at+25C)	1.6* R.V(AC) , 5s (between terminals)				
Dissipation factor		≤0.1% (1KHz at 20~25C)				
Insulation Resistance		≥30 000MΩ,CR≤0.33μF ≥10 000 s,CR > 0.33μF ( at 100 VDC , 60s 20~25C)				
If the working voltage (U) is lower than the rated voltage (UR), the capacitor can withstand a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with UR/U.		UR(V)	dV/dt (V/us)			
			P=22.5	P=27.5	P=32.5	P=39.5
		450V/250V~	45	38	32	23
		650V/300V~	65	55	45	/
		900V/400V~	95	80	65	/
1000V/420V~	100	85	70	/		

Note: We can produce capacitors according to customer's requirements.