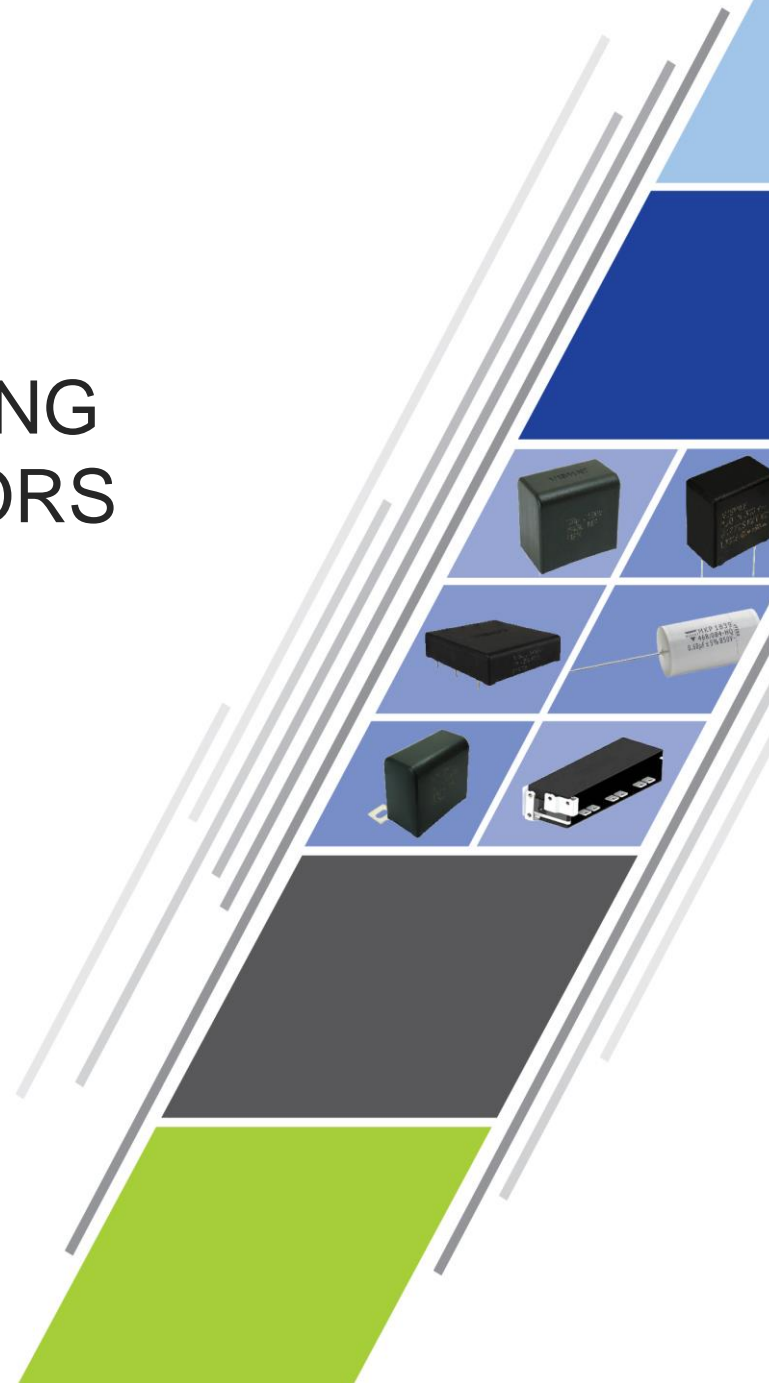




NPI MKP 385e HIGH PERFORMING AC AND PULSE FILM CAPACITORS

HIGH TEMPERATURE
AEC-Q200 QUALIFIED

A WORLD OF
SOLUTIONS





THB AC AND PULSE METALLIZED POLYPROPYLENE FILM CAPACITORS MKP 385e

Robust Design for High Humidity Environments

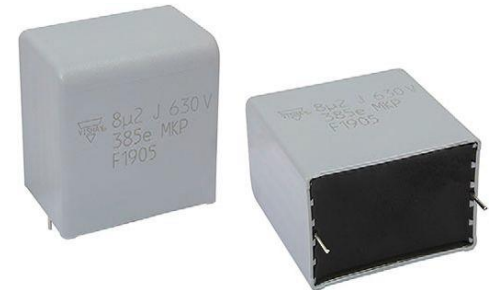


MKP385e was designed for automotive applications where pulse, high frequency and high AC current capabilities are required.

FEATURES

- AEC-Q200 Qualified (rev. D)
- High Robustness under High Humidity
 - THB: 60°C / 93% RH / 56 days at rated voltage
- Max operation temperature up to 125°C*
- Capacitance range: 0,001 μ F up to 15 μ F
- Customization on request

*For limited time during life time.





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MKP385e Capacitance/Voltage Range

U _{RDC} (V)	C-value (μF)																			
	0,001	0,0039	0,0082	0,010	0,018	0,027	0,047	0,39	0,47	0,68	1	1,2	1,5	2,7	3,3	3,9	4,7	12	15	
400																				
630																				
850																				
1000																				
1250																				
1600																				
2000																				
2500																				





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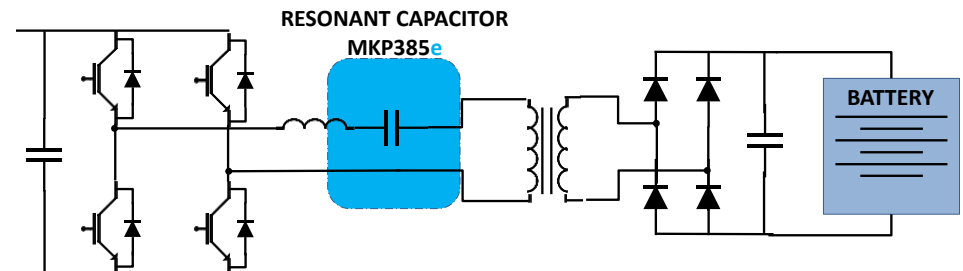
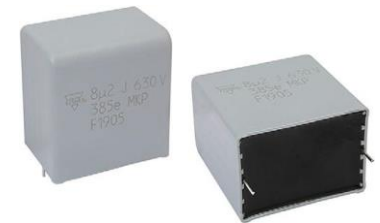


DESCRIPTION / REMARKS

- Series Construction for $U_{DC} > 630VDC$. Series construction creates 2 internal capacitors in series, cutting the voltage across the dielectric by half, well below ionization starting voltage, improving capacitance stability over lifetime.
- Ensuring longer service times with stable high pulse strength and high ripple current capabilities and small case dimensions.

APPLICATIONS

- Hybrid and Electrical Vehicles Power Converters
- EV-PHEV OBC and Inductive Charging Systems
- BMS (battery management)
- Snubbing
- Resonant converters





VISHAY INTERTECHNOLOGY, INC.



THANK YOU!

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components

★ Worldwide Headquarters ★ Operational and Regional Headquarters (includes Sales) ★ Regional Headquarters (includes Sales) ▾ Sales and Manufacturing ▾ Sales ▾ Manufacturing ▾ Rep Areas (W, E)



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