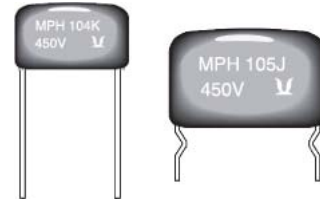


# Metallized Polypropylene Film Capacitor (PFC)

## MPH

金属化聚丙烯膜电容器  
(功率因素校正)

MPH series is constructed with metallized polypropylene film as dielectric and electrode, and epoxy resin coating. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for PFC circuit.



### APPLICATION

PFC Circuits.

Pulse Application.

As intermediate circuit capacitor for SMPS.

### FEATURES

High ripple current.

Self-healing properties.

High contact reliability and low losses.

High stability of capacitance and dissipation factor.

### SPECIFICATIONS

Reference Standard:	IEC60384-16
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc ~ 630Vdc
Capacitance Range:	0.1uF ~2.2uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>30,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C >10,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

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### PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt V/us	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		mm	
450	220	0.1	13	11	5	10	40.0	400	0.6	MPH-104K2WL10LL
450	220	0.12	13	11	5	10	48.0	400	0.6	MPH-124K2WL10LL
450	220	0.15	13	11	5	10	60.0	400	0.6	MPH-154K2WL10LL
450	220	0.18	13	11.5	6	10	72.0	400	0.6	MPH-184K2WL10LL
450	220	0.22	13	12	6	10	88.0	400	0.6	MPH-224K2WL10LL
450	220	0.27	13	12.5	6.5	10	108.0	400	0.6	MPH-274K2WL10LL
450	220	0.33	13	14	7	10	132.0	400	0.6	MPH-334K2WL10LL
450	220	0.39	13	15	8	10	156.0	400	0.6	MPH-394K2WL10LL
450	220	0.47	13	16.5	8	10	188.0	400	0.6	MPH-474K2WL10LL
450	220	0.56	13	17.5	9	10	224.0	400	0.6	MPH-564K2WL10LL
450	220	0.68	13	18.5	10	10	272.0	400	0.6	MPH-684K2WL10LL
450	220	0.82	13	20.5	10.5	10	328.0	400	0.6	MPH-824K2WL10LL
450	220	1	13	21.5	11.5	10	400.0	400	0.6	MPH-105K2WL10LL
450	220	0.1	18	11	5	15	25.0	250	0.6	MPH-104K2WL15LL
450	220	0.12	18	11	5	15	30.0	250	0.6	MPH-124K2WL15LL
450	220	0.15	18	11	5	15	37.5	250	0.6	MPH-154K2WL15LL
450	220	0.18	18	11	5	15	45.0	250	0.6	MPH-184K2WL15LL
450	220	0.22	18	11	5	15	55.0	250	0.6	MPH-224K2WL15LL
450	220	0.33	18	12	6	15	82.5	250	0.6	MPH-334K2WL15LL
450	220	0.39	18	12.5	6.5	15	97.5	250	0.6	MPH-394K2WL15LL
450	220	0.47	18	13.5	7.5	15	117.5	250	0.6	MPH-474K2WL15LL
450	220	0.56	18	14	8	15	140.0	250	0.8	MPH-564K2WL15LL
450	220	0.68	18	14.5	8.5	15	170.0	250	0.8	MPH-684K2WL15LL
450	220	0.82	18	15.5	9	15	205.0	250	0.8	MPH-824K2WL15LL
450	220	1	18	17	9	15	250.0	250	0.8	MPH-105K2WL15LL
450	220	1.2	18	18.5	10.5	15	300.0	250	0.8	MPH-125K2WL15LL
450	220	1.5	25.5	15	9	22.5	150.0	100	0.8	MPH-155K2WL22LL
450	220	2.2	25.5	18	12	22.5	220.0	100	0.8	MPH-225K2WL22LL
550	250	0.1	13	11	5	10	40.0	400	0.6	MPH-104K2YL10LL
550	250	0.12	13	11	5	10	48.0	400	0.6	MPH-124K2YL10LL
550	250	0.15	13	12	6	10	60.0	400	0.6	MPH-154K2YL10LL
550	250	0.18	13	13	7	10	72.0	400	0.6	MPH-184K2YL10LL
550	250	0.22	13	14.5	7.5	10	88.0	400	0.6	MPH-224K2YL10LL
550	250	0.27	13	16.5	7.5	10	108.0	400	0.6	MPH-274K2YL10LL
550	250	0.33	13	17.5	8.5	10	132.0	400	0.6	MPH-334K2YL10LL
550	250	0.39	13	18	9.5	10	156.0	400	0.6	MPH-394K2YL10LL
550	250	0.47	13	19	10	10	188.0	400	0.6	MPH-474K2YL10LL
550	250	0.1	18	12	6	15	25.0	250	0.6	MPH-104K2YL15LL
550	250	0.12	18	12	6	15	30.0	250	0.6	MPH-124K2YL15LL
550	250	0.15	18	12	6	15	37.5	250	0.6	MPH-154K2YL15LL
550	250	0.18	18	12	6	15	45.0	250	0.6	MPH-184K2YL15LL
550	250	0.22	18	12	6	15	55.0	250	0.6	MPH-224K2YL15LL

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### PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt V/us	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		mm	
550	250	0.27	18	12.5	6.5	15	67.5	250	0.6	MPH-274K2YL15LL
550	250	0.33	18	13.5	7.5	15	82.5	250	0.6	MPH-334K2YL15LL
550	250	0.39	18	13.5	7.5	15	97.5	250	0.6	MPH-394K2YL15LL
550	250	0.47	18	14.5	8.5	15	117.5	250	0.6	MPH-474K2YL15LL
550	250	0.56	18	16.5	8.5	15	140.0	250	0.8	MPH-564K2YL15LL
550	250	0.68	18	17.5	9	15	170.0	250	0.8	MPH-684K2YL15LL
550	250	0.82	18	19	10	15	205.0	250	0.8	MPH-824K2YL15LL
550	250	1	18	20.5	11	15	250.0	250	0.8	MPH-105K2YL15LL
550	250	1.2	25.5	17.5	9	22.5	120.0	100	0.8	MPH-125K2YL22LL
550	250	1.5	25.5	19.5	10.5	22.5	150.0	100	0.8	MPH-155K2YL22LL
550	250	2.2	25.5	22	12	22.5	220.0	100	0.8	MPH-225K2YL22LL
630	275	0.1	13	12	6	10	45.0	450	0.6	MPH-104K2JL10LL
630	275	0.12	13	13	7	10	54.0	450	0.6	MPH-124K2JL10LL
630	275	0.15	13	13	7	10	67.5	450	0.6	MPH-154K2JL10LL
630	275	0.18	13	15	8	10	81.0	450	0.6	MPH-184K2JL10LL
630	275	0.1	18	12	6	15	30.0	300	0.6	MPH-104K2JL15LL
630	275	0.12	18	12	6	15	36.0	300	0.6	MPH-124K2JL15LL
630	275	0.15	18	12	6	15	45.0	300	0.6	MPH-154K2JL15LL
630	275	0.18	18	13	7	15	54.0	300	0.6	MPH-184K2JL15LL
630	275	0.22	18	13	7	15	66.0	300	0.6	MPH-224K2JL15LL
630	275	0.27	18	14	7.5	15	81.0	300	0.6	MPH-274K2JL15LL
630	275	0.33	18	14.5	8	15	99.0	300	0.6	MPH-334K2JL15LL
630	275	0.39	18	15.5	8.5	15	117.0	300	0.6	MPH-394K2JL15LL
630	275	0.47	18	16.5	9	15	141.0	300	0.6	MPH-474K2JL15LL
630	275	0.56	18	17	10	15	168.0	300	0.8	MPH-564K2JL15LL
630	275	0.68	18	18.5	11.5	15	204.0	300	0.8	MPH-684K2JL15LL
630	275	0.82	18	20	11.5	15	246.0	300	0.8	MPH-824K2JL15LL
630	275	1	18	22	13	15	300.0	300	0.8	MPH-105K2JL15LL
630	275	1.2	25.5	19	11	22.5	180.0	150	0.8	MPH-125K2JL22LL
630	275	1.5	25.5	22	12	22.5	225.0	150	0.8	MPH-155K2JL22LL
630	275	1.8	25.5	23	13	22.5	270.0	150	0.8	MPH-185K2JL22LL
630	275	2.2	25.5	25	15	22.5	330.0	150	0.8	MPH-225K2JL22LL

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