



Vishay Intertechnology, Inc.

Vishay ESTA Power Film Capacitors



GLI

Yüksek Frekanslarda
Düşük Kayıplar



PhMKD

Maksimum Çıkış için
Kompakt Tasarım,
56 kvar



PhMKP

Esnek Tasarım Seçenekleri
1000 VAC'ye Kadar
RMS



**Phao,
Phafo**

36 kV'a Kadar
Yalıtım Seviyesi
(70 kV / 170 kVp)



HDMKP

Düşük Öz Endüktans



Phawo

100 kHz'e Kadar
Frekans Aralığı



DCMKP

Uzun Ömür Beklentisi



ACMKP

Yüksek Güvenilirlik ve
Uzun Ömür Beklentisi



PROTEK TEKNİK

<http://www.protek-teknik.com.tr>

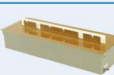


VISHAY ESTA POWER FILM CAPACITORS

Power Electronic Capacitors

Series		Rated Voltage min. (V)	Rated Voltage max. (V)	Capacitance min. (μF)	Capacitance max. (μF)	Rated Current min. (A)	Rated Current max. (A)	Dimensions min. to max. (mm)	Filling Agent
	ACMKP-Tubular	1000	3000	0.2	10	5	20	84.4 x 140 to 340	Dry
	Low PD level; high reliability and life expectancy								
	GLI-A	700	2150	7.5	230	20	80	87 x 44 to 87	Dry
	Low inductance; low losses at high frequencies; high current ratings, custom designs available								
	GLI-I	700	2150	7.5	230	20	80	87 x 44 to 87	Dry
	Low inductance; low losses at high frequencies; high current ratings; custom designs available								
	GLI-B	700	2150	7.5	230	20	80	87 x 44 to 87	Dry
	Low inductance; low losses at high frequencies; high current ratings; custom designs available								
	HDMKP	900	2700	40	2235	17	120	84.4 to 116 x 105 to 260	Dry
	High impulse current rating, low inductance, compact design								

Power Electronic Capacitors

Series		Rated Voltage min. (V)	Rated Voltage max. (V)	Capacitance min. (μF)	Capacitance max. (μF)	Rated Current min. (A)	Rated Current max. (A)	Filling Agent	Application
	DCMKP - Rectangular	800	25 000	50	20 000	100	800	Dry	DC-link
	High RMS and impulse current rating; low inductance; high reliability and life expectancy; custom designs available								
	DCMKP - Rectangular	800	25 000	50	20 000	100	800	Dry	HVDC
	High RMS and impulse current rating; low inductance; high reliability and life expectancy; custom designs available								
	ACMKP - Rectangular	200	3000	50	5 000	100	800	Dry	AC-filter
	High RMS and impulse current rating; low inductance; high reliability and life expectancy; custom designs available								
	DCMKP - Rectangular	800	25 000	50	20 000	100	800	Dry	Powertrans mission
	High RMS and impulse current rating; low inductance; high reliability and life expectancy; custom designs available								
	DCMKP - Rectangular	800	25 000	50	20 000	100	800	Dry	Industrial drives
	High RMS and impulse current rating; low inductance; high reliability and life expectancy; custom designs available								

Low-Voltage Power Capacitors

Series		Rated Voltage min. (V)	Rated Voltage max. (V)	Output min. (kvar)	Output max. (kvar)	Capacitance min. (μF)	Capacitance max. (μF)	Dimensions min. to max. (mm)	Filling Agent
	PhMKP 3-phase	230	1000	2.5	14.0	Δ 3 x 11.5	Δ 3 x 100.3	64 x 190 to 265	Dry or oil
	MKP film; self-healing; all-phase tear-off fuse system; slim diameter; stacked winding elements, IP20								
	PhMKP 1-phase	230	690	2.5	10.0	1 x 49.7	1 x 251.0	64 x 82 to 240	Oil
	MKP film; self-healing; all connection tear-off fuse system; slim diameter; IP20								
 	PhMKP 3-phase	230	1000	8.33	30.0	Δ 3 x 20.3	Δ 3 x 300.9	84.4 x 190 to 340	Dry or oil
	MKP film; self-healing; all-phase tear-off fuse system; slim diameter; stacked winding elements; IP00 or IP20								
	PhMKP 1-phase	230	690	5.0	20.0	1 x 165.7	1 x 332.2	84.4 x 140 to 240	Oil
	MKP film; self-healing; all connection tear-off fuse system; slim diameter; IP00 or IP20								
	PhMKP 3-phase	230	1000	10.0	37.1	Δ 3 x 77.0	Δ 3 x 335.0	116 x 160 to 265	Dry or oil
	MKP film; self-healing; all-phase tear-off fuse system; low profile height; stacked winding elements; IP20								
	PhMKP 3-phase	400	1000	25.0	37.1	Δ 3 x 115.4	Δ 3 x 219.3	136 x 190 to 230	Dry or oil
	MKP film; self-healing; all-phase tear-off fuse system; low profile height; stacked winding elements; IP20								



VISHAY ESTA POWER FILM CAPACITORS

Three Phase Low-Voltage Power Capacitors

Series	Rated Voltage min. (V)	Rated Voltage max. (V)	Output min. (kvar)	Output max. (kvar)	Capacitance min. (μF)	Capacitance max. (μF)	Dimensions min. to max. (mm)	Installation
 PhMKDg 3-phase	230	1000	30.0	56.2	Δ 3 x 115.5	Δ 3 x 331.6	Δ 160 x 210	Indoor
MKP film, self-healing, dry, all-phase tear-off fuse system, very compact 50 kvar unit with low profile height, M10 connection bolts, IP00								
 PhMKDgF 3-phase	230	1000	30.0	56.2	Δ 3 x 115.5	Δ 3 x 331.6	Δ 160 x 210	Outdoor
MKP film, self-healing, dry, all-phase tear-off fuse system, very compact 50 kvar unit with low profile height, M10 connection bolts, IP00, for upside-down outdoor pole-mounting, full aluminum casing with welded top, no painting required								

Three Phase High-Voltage Power Capacitors

Series	Connection	Rated Voltage max. (kV)	Insulation Level (kV)	Output min. (kvar)	Output max. (kvar)	Frequency (Hz)	Filling Agent	Installation
 Phao 3.3/.../D	Three phase	3300	3600	50	600	50 to 60	Synthetic oil	Indoor
All-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA; with pressure switch								
Phao 4.16/.../D	Three phase	4160	7200	50	650	50 to 60	Synthetic oil	Indoor
All-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA; with pressure switch								
Phao 6.6/.../D	Three phase	6600	7200	50	650	50 to 60	Synthetic oil	Indoor
All-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA; with pressure switch								
Phao 11/.../D	Three phase	11 000	12 000	50	750	50 to 60	Synthetic oil	Indoor
All-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA; with pressure switch								

Single Phase High-Voltage Power Capacitors

Series	Connection	Rated Voltage max. (kV)	Insulation Level (kV)	Output min. (kvar)	Output max. (kvar)	Frequency (Hz)	Filling Agent	Installation
 Phao 3.64/kvar/1	Single phase	3640	7200	50	800	50 to 60	Synthetic oil	Indoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								
Phao 6.35/kvar/1	Single phase	6350	12 000	50	900	50 to 60	Synthetic oil	Indoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								
Phao 8.66/kvar/1	Single phase	8660	17 500	50	900	50 to 60	Synthetic oil	Indoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								
Phao 12.7/kvar/1	Single phase	12 700	24 000	50	900	50 to 60	Synthetic oil	Indoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								
Phafo 3.64/kvar/1	Single phase	3640	7200	50	800	50 to 60	Synthetic oil	Outdoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								
Phafo 6.35/kvar/1	Single phase	6350	12 000	50	900	50 to 60	Synthetic oil	Outdoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								
Phafo 8.66/kvar/1	Single phase	8660	17 500	50	900	50 to 60	Synthetic oil	Outdoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								
Phafo 12.7/kvar/1	Single phase	12 700	24 000	50	900	50 to 60	Synthetic oil	Outdoor
With or without internal fuses; all-film dielectric; polypropylene; low losses 0.15 W/kvar; biodegradable; IEC 60871; ANSI / IEEE; CSA								

VISHAY ESTA GÜÇ KAPASİTÖRLERİ EN İYİ GÜÇ ÇÖZÜMLERİ İÇİN ÖZEL TASARIMLAR SUNAR



Vishay ESTA Güç Kapasitörlerinin **Avantajları**

- Yüksek güç
- Düşük kayıplar
- Yüksek güvenilirlik
- Kompakt tasarım

Aşağıda ki **Uygulamalar** için

- Güç faktörü düzeltme (PFC) ve filtreleme
- Endüstriyel sürücüler
- Güç iletimi, FACTS, HVDC
- Endüksiyon ısıtma



Uzun ömür beklentisi için
DCMK'yi kullanın



Yeşili korumak için
rüzgar uygulamalarınızda
PhMKP'yi kullanın



Endüksiyon
Ocakları



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Useful Links

- For our product overview, please visit:
www.vishay.com/capacitors/power-heavy-current/



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