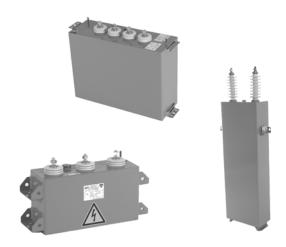


Capacitors for Power Electronics (PEC) - Rectangular





FEATURES

- High impulse current rating up to 600 A
- Low self inductance of < 30 nH
- · High reliability and life expectancy
- Withstands heavy duty shock and vibration
- Non-polar dielectric
- Dry, resin filled

APPLICATION

- DC linking in industrial and traction drives
- DC filtering in industrial and traction drives
- DC power storage for testing equipment
- Impulse discharge capacitors for magnetizing and welding

QUICK REFERENCE DATA								
DESCRIPTION	VALUE							
Rated DC voltage min.	750 V							
Rated DC voltage max.	10.0 kV							
Capacitance min.	50 μF							
Capacitance max.	20 000 μF							
Technology	Metallized polypropylene film							
Dissipation factor (tan δ_0)	< 2 x 10 ⁻⁴							
Capacitance tolerance	± 5 %							
Operating temperature (hotspot)	θ _{min.} - 25 °C							
	θ _{max.} + 80 °C							
Inductance	< 100 nH							
Lifetime expectancy	250 000 h at U _{NDC} and < 70 °C hotspot							
Reliability	100 FIT							
Test voltage	Terminal/terminal = 1.5 x U_{NDC} , 10 s; Terminal/case = 2 x U_{NDC} + 1000 V_{AC} , 60 s							
Casing material	Aluminum or stainless steel, antimagnetic							
Filling	Resin polyurethane R40							
Standards	IEC 61071-1, IEC 61881, and EN 61071-1							



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TYPE DESCRIPTION													
TYPE	C _N [µF]	VOLTAGE V _{DC}	R _S [mΩ]	R _{th} [K/W]	I _{max.} [A]	I _P [kA]	Î [kA]	LENGTH [mm]	WIDTH [mm]	HEIGHT [mm]	WEIGHT [kg]	DRAWING NO.	
DCMKP 0.9/625 μF													
DCMKP 0.9/625 μF	625	900	0.1	0.5	500.0	75	225	340	175	510	40	07-B-1091	
DCMKP 0.9/20 mF													
DCMKP 0.9/20 mF	20 000	900	0.1	0.5	500.0	75	225	340	175	510	40	07-B-1091	
DCMKP 1.1/9.0 mF													
DCMKP 1.1/9.0 mF	9000	1100	0.8	0.2	100.0	19	58	280	175	480	31	07-B-1132	
DCMKP 1.9/2.7 mF													
DCMKP 1.9/2.7 mF	2700	1900	0.7	0.4	190.0	10.5	31.7	340	175	330	26	07-B-1285	
DCMKP 1.9/4.0 mF/A													
DCMKP 1.9/4.0 mF/A	4000	1900	0.5	0.2	300.0	15.9	47.6	340	175	505	39	07-B-1170	
DCMKP 2.0/4.0 mF													
DCMKP 2.0/4.0 mF	4000	2000	0.4	0.5	230.0	16.1	48.3	455	175	368	38	07-B-1270	
DCMKP 2.0/7.25 mF													
DCMKP 2.0/7.25 mF	7250	2000	0.5	0.1	240.0	29.0	87.2	340	175	820	63	07-B-1255	
DCMKP 2.05/3.0 mF/B													
DCMKP 2.05/3.0 mF/B	3000	2050	0.6	0.3	320	12.5	37.4	650	175	245	36	07-B-841	
DCMKP 2.2/1.4 mF													
DCMKP 2.2/1.4 mF	1400	2200	0.4	0.5	200.0	13.2	39.7	340	175	250	20	07-B-1230	
DCMKP 2.8/4.0 mF/2													
DCMKP 2.8/4.0 mF/2	4000	2800	0.3	0.2	560.0	45.5	136.6	1060	175	385	93	07-B-940	
DCMKP 3.6/710 μF													
DCMKP 3.6/710 μF	710	3600	0.6	0.5	240.0	11.7	35.0	455	340	175	35	07-B-1150	
DCMKP 3.63/1.5 mF/2													
DCMKP 3.63/1.5 mF/2	1500	3630	0.5	0.3	420.0	20.0	28.5	800	170	315	56	07-B-1134	
DCMKP 3.75/1.25 mF/T													
DCMKP 3.75/1.25 mF/T	1250	3750	0.5	0.3	250.0	20.7	62.2	680	175	345	54	07-B-1265	
DCMKP 4.0/625 μF													
DCMKP 4.0/625 μF	625	4000	0.8	0.7	150.0	10.1	30.2	250	175	450	26	07-B-1311	
DCMKP 4.25/2.57 mF/2													
DCMKP 4.25/2.57 mF/2	2570	4250	0.4	0.3	600.0	36.8	11.0	420	175	1140	109	07-B-1222	
DCMKP 4.25/2.57 mF/4													
DCMKP 4.25/2.57 mF/4	2570	4250	0.4	0.3	600.0	36.8	11.0	420	175	1140	109	07-B-1222	
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Notes

- Every voltage, current, capacitance value, casing and terminal design is available on request
- All above listed types are for reference only!





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