

# ESTAdry-AC-Capacitor

## KMKPg 1700-1,0 IA

# DATASHEET

### NOMINAL RATINGS

Capacitance / Tolerance	Cn	1,0 $\mu$ F $\pm$ 10%
Rated a.c. voltage	Un	1.700 VAC
Rated rms voltage	UAC	1200 Vrms
Rated d.c. voltage	UDC	4.700 VDC

### OVER VOLTAGES ACCORDING TO IEC 61071-1

1.1 x Un	U1	1.870 VAC (30% of on-load-dur.)
1.15 x Un	U2	1.955 VAC (30min/day)
1.2 x Un	U3	2.040 VAC ( 5min/day)
1.3 x Un	U4	2.210 VAC ( 1min/day)
1.5 x Un	Us	2.550 VAC (100ms; < 1000x per LT)

Voltage rate of rise	du/dt	400 V/ $\mu$ s
Maximum rms current	Imax	10 Arms
Peak current repetitive	$\hat{I}$	210 A
Maximum surge current	Is	630 A (<1000x per LT)

Self inductance	Ls	ca. 100 nH
Series resistance	Rs	< 8 mOhm
Loss factor diel. 50 Hz	tan	2 x 10 <sup>-4</sup>

### ROUTINE TEST

Test voltage Term.-Term.	UT/T	2.550 VAC, 10s
Test voltage Term.-Case	UT/C	4.000 VAC, 60s
Measurement of capacitance, loss angle		

### OPERATING TEMPERATURE

Minimum ambient temp.	Tmin	-40 °C
Maximum ambient temp.	Tmax	+70 °C

### STORAGE TEMPERATURE

Minimum temperature	Tmin	-45 °C
Maximum temperature	Tmax	+85 °C

### TECHNOLOGY

Dielectric	Polypropylene, metallized, SH
Filling material	No PCB, resin, DRY
Safety device	unprotected

### BUSHINGS

### D-140-1

Type	Faston
Connection	6,3 x 0,8 mm
Flash over distance (T/C)	11 mm
Creepage distance (T/C)	23 mm

### DESIGN DATA

Dimensions (dia*h)	40 x 72 mm
Drawing	20-B-137
Weight	0,1 kg
Casing material	PP UL-Approved
Mounting position	every

<b>LIFE EXPECTANCY</b>	>100.000 h
<b>FAILURE RATE</b>	< 300 FIT

<b>RECOMMENDATION</b>	IEC 61071-1
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<b>PART_NO:</b>	5191-45557
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