

**PhMKPg 400/6/37.5**

Vishay ESTA

**MKP-AC-Filter Capacitors, Dry, Self-healing, Without Fuse**

**PART NO.** PhMKPg 400/6/37.5  
**ART. NO.** 44727

**RATINGS**

Capacitance/Tolerance Cn 6 $\mu$ F  $\pm$  10%  
 Rated power Qn 0.3kvar  
 Rated voltage Un 400Vrms

**OVERVOLTAGES ACCORDING IEC 60831-1**

1.1 x Un U1 440V (12 Std/day)  
 1.15 x Un U2 460V (30min/day)  
 1.2 x Un U3 480V (5min/day)  
 1.3 x Un U4 520V (1min/day)

Rated frequency fn 50/60Hz  
 Rated current In 2A  
 Peak current Is 0.5kA

Series resistance RESR < 3m $\Omega$   
 Loss factor 50 Hz tan < 2\*10<sup>-4</sup>  
 Dielectric loss factor tan < 2\*10<sup>-4</sup>

**ROUTINE TESTS**

Test voltage terminal/terminal Ut/t 860V, AC, 10s

Measurement of capacitance  
 Measurement of loss factor

**OPERATING TEMPERATURE**

Minimum ambient temperature Tmin - 25°C  
 Maximum ambient temperature Tmax + 75°C

**STORAGE TEMPERATURE**

Minimum temperature Tmin - 40°C  
 Maximum temperature Tmax + 85°C

**TECHNOLOGY**

Dielectric Polypropylene,  
 self-healing,  
 Filling material resin, polyurethane  
**dry**

**BUSHING**

Number of pins 2  
 pin distance 37.5  $\pm$  0.4mm  
 length of pins 4.0  $\pm$  0.5mm  
 diameter of pins 1.2  $\pm$  0.05mm

**DESIGN DATA**

Dimension 42 \* 28 \* 40mm  
 Drawing 20-B-084  
 Weight 0.1 kg  
 Casing Material plastic (ABS)  
 Mounting position every position

**LIFE EXPECTANCY** > 100000h at 70°C

**FAILURE RATE** 300 FIT

**RECOMMENDATION** IEC 60831-1

**DIMENSIONS**