

**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 | 6uF ± 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 | < 3mΩ                |
| 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,<br>self-healing,   |
| Filling material | resin, polyurethane<br><b>dry</b> |

**BUSHING**

|                  |              |
|------------------|--------------|
| Number of pins   | 2            |
| pin distance     | 37.5 ± 0.4mm |
| length of pins   | 4.0 ± 0.5mm  |
| diameter of pins | 1.2 ± 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**