

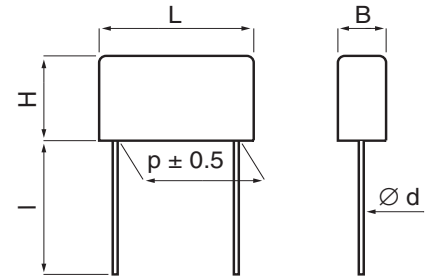
PME261

RoHS
Compliant

- General purpose AC/DC
- Metallized paper

- IEC Publ. 166 Type 1
- High dU/dt capability.
- Excellent self-healing properties. Ensures long life even when subjected to frequent overvoltages.
- Good resistance to ionisation due to impregnated dielectric.

- Approved according to SE-MIL-QPL.
- The capacitors meet the most stringent IEC humidity class, 56 days.
- The impregnated paper ensures excellent stability giving outstanding reliability properties, especially in applications having continuous operation.



TYPICAL APPLICATIONS

For general use in DC and low frequency pulse applications.

CONSTRUCTION

Multi-layer metallized paper. Encapsulated and impregnated in self-extinguishing material meeting the requirements of UL 94V-0.

d = 0.6 for p = 10.2
0.8 for p = 15.2 and 20.3
1.0 for p = 25.4

l = standard: 30 +5/-0 mm

option 1: short leads, tolerance +0/-1 mm (standard 6 mm, code R06)
Other lead lengths on request

option 2: 30 mm insulated solid leads, ordering code: replace R30 with R300PS in std P/N

TECHNICAL DATA

| | PME261 K | PME261 E | PME261 J |
|--|--|-----------------------------------|-----------------------------------|
| Rated voltage U_R, VAC | 220 | 300 | 500 |
| Rated voltage U_R, VDC | 400 | 630 | 1000 |
| Capacitance range, μF | 0.0082 - 1.0 | 0.001 - 0.15 | 0.001 - 0.1 |
| Capacitance tolerance | — ± 10% code K ± 5% code J | ± 20% code M ± 10% code K — | ± 20% code M ± 10% code K — |
| Temperature range | AC application -40 to +70°C DC application -40 to +100°C | | |
| Climatic category | IEC 40/070/56 | | |
| Dissipation factor | ≤ 1.3 % at 1 kHz | | |
| Insulation resistance | C ≤ 0.33 μF 12000 MΩ C > 0.33 μF 4000 s PME261 K measured at 100 VDC after 60 s, +23°C PME261 E and J measured at 500 VDC after 60 s, +23°C | | |

ENVIRONMENTAL TEST DATA

| | | | |
|-----------------------------|---------------------------|---|--|
| Vibration | IEC 60068-2-6 Test Fc | 3 directions at 2 hour each 10 – 500 Hz at 0.75 mm or 98 m/s ² | No visible damage No open or short circuit |
| Bump | IEC 60068-2-29 Test Eb | 4000 bumps at 390 m/s ² | No visible damage No open or short circuit |
| Solderability | IEC 60068-2-20 Test Ta | Solder globule method | Wetting time for d ≤ 0.8 < 1 s for d > 0.8 < 1.5 s |
| Passive flammability | IEC 60695-2-2 | | |
| Humidity | IEC 60068-2-3 Test Ca | +40°C and 90 – 95% R.H. | 56 days |

MARKING

- RIFA
- RIFA article code
- Rated capacitance
- Rated voltage AC/DC
- MP, for metallized paper
- Climatic category according to IEC 60068-, appendix A
- Manufacturing code (year, month)

ORDERING INFORMATION

The article code for the standard part is given in the article table.
For other options, see page 11.

ARTICLE TABLE

| Capaci- tance μF | Max dimensions in mm | | | | Quantity per package | | | Weight g | Max dU/dt V/μs | Article code |
|----------------------------|-------------------------|------|------|------|----------------------|------------|----------------------|-------------|----------------------|------------------|
| | B | H | L | p | R30 pcs | R06 pcs | reel taped pcs | | | |
| 220 VAC / 400 VDC PME261 K | | | | | | | | | | |
| LEAD SPACING 10.2 MM | | | | | | | | | | |
| 0.0082 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261KA4820KR30 |
| 0.010 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261KA5100KR30 |
| 0.015 | 5.1 | 10.5 | 13.5 | 10.2 | 800 | 1600 | 600 | 1.2 | 2000 | PME261KA5150KR30 |
| 0.022 | 5.1 | 10.5 | 13.5 | 10.2 | 800 | 1600 | 600 | 1.2 | 2000 | PME261KA5220KR30 |
| LEAD SPACING 15.2 MM | | | | | | | | | | |
| 0.033 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 1600 | PME261KB5330KR30 |
| 0.047 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 1300 | PME261KB5470KR30 |
| 0.068 | 7.3 | 13.0 | 18.5 | 15.2 | 400 | 800 | 400 | 3.0 | 1100 | PME261KB5680KR30 |
| 0.10 | 7.3 | 13.0 | 18.5 | 15.2 | 400 | 800 | 400 | 3.0 | 850 | PME261KB6100KR30 |
| LEAD SPACING 20.3 MM | | | | | | | | | | |
| 0.15 | 7.6 | 14.0 | 24.0 | 20.3 | 250 | 1500 | 250 | 4.0 | 700 | PME261KC6150KR30 |
| 0.22 | 8.4 | 14.0 | 24.0 | 20.3 | 200 | 1500 | 250 | 4.5 | 560 | PME261KC6220KR30 |
| 0.33 | 11.3 | 16.5 | 24.0 | 20.3 | 150 | 1000 | 180 | 7.0 | 430 | PME261KC6330KR30 |
| LEAD SPACING 25.4 MM | | | | | | | | | | |
| 0.47 | 10.6 | 17.3 | 30.5 | 25.4 | 100 | 1000 | | 8.0 | 370 | PME261KE6470KR30 |
| 0.68 | 15.3 | 22.0 | 30.5 | 25.4 | 75 | 600 | | 15.0 | 300 | PME261KE6680KR30 |
| 1.0 | 15.3 | 22.0 | 30.5 | 25.4 | 75 | 600 | | 15.0 | 220 | PME261KE7100KR30 |
| 300 VAC / 630 VDC PME261 E | | | | | | | | | | |
| LEAD SPACING 10.2 MM | | | | | | | | | | |
| 0.0010 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261EA4100MR30 |
| 0.0015 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261EA4150MR30 |
| 0.0022 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261EA4220MR30 |
| 0.0033 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261EA4330MR30 |
| 0.0047 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261EA4470MR30 |
| 0.0068 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261EA4680MR30 |
| 0.010 | 5.1 | 10.5 | 13.5 | 10.2 | 800 | 1600 | 600 | 1.2 | 2000 | PME261EA5100KR30 |
| 0.015 | 5.1 | 10.5 | 13.5 | 10.2 | 800 | 1600 | 600 | 1.2 | 2000 | PME261EA5150KR30 |
| LEAD SPACING 15.2 MM | | | | | | | | | | |
| 0.022 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME261EB5220KR30 |
| 0.033 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME261EB5330KR30 |
| 0.047 | 7.3 | 13.0 | 18.5 | 15.2 | 400 | 800 | 400 | 3.0 | 1600 | PME261EB5470KR30 |
| 0.068 | 7.3 | 13.0 | 18.5 | 15.2 | 400 | 800 | 400 | 3.0 | 1200 | PME261EB5680KR30 |
| LEAD SPACING 20.3 MM | | | | | | | | | | |
| 0.10 | 7.6 | 14.0 | 24.0 | 20.3 | 250 | 1500 | 250 | 4.0 | 900 | PME261EC6100KR30 |
| 0.15 | 9.0 | 15.0 | 24.0 | 20.3 | 200 | 1200 | 250 | 5.0 | 650 | PME261EC6150KR30 |
| 500 VAC/ 1000 VDC PME261 J | | | | | | | | | | |
| LEAD SPACING 10.2 MM | | | | | | | | | | |
| 0.0010 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261JA4100MR30 |
| 0.0015 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261JA4150MR30 |
| 0.0022 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261JA4220MR30 |
| 0.0033 | 3.9 | 7.5 | 13.5 | 10.2 | 1000 | 2000 | 700 | 0.7 | 2000 | PME261JA4330MR30 |
| 0.0047 | 5.1 | 10.5 | 13.5 | 10.2 | 800 | 1600 | 600 | 1.2 | 2000 | PME261JA4470MR30 |
| 0.0068 | 5.1 | 10.5 | 13.5 | 10.2 | 800 | 1600 | 600 | 1.2 | 2000 | PME261JA4680MR30 |
| LEAD SPACING 15.2 MM | | | | | | | | | | |
| 0.010 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME261JB5100KR30 |
| 0.015 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME261JB5150KR30 |
| 0.022 | 7.3 | 13.0 | 18.5 | 15.2 | 400 | 800 | 400 | 3.0 | 2000 | PME261JB5220KR30 |
| 0.033 | 7.8 | 13.5 | 18.5 | 15.2 | 400 | 800 | 400 | 3.3 | 2000 | PME261JB5330KR30 |
| LEAD SPACING 20.3 MM | | | | | | | | | | |
| 0.047 | 7.6 | 14.0 | 24.0 | 20.3 | 250 | 1500 | 250 | 4.0 | 2000 | PME261JC5470KR30 |
| 0.068 | 9.0 | 15.0 | 24.0 | 20.3 | 200 | 1200 | 250 | 5.0 | 1400 | PME261JC5680KR30 |
| 0.10 | 11.3 | 16.5 | 24.0 | 20.3 | 150 | 1000 | 180 | 7.0 | 950 | PME261JC6100KR30 |