

PME264

RoHS
Compliant

- EMI suppressor, class X2, metallized paper
- 0.001 – 0.1 μ F, 660 VAC, +85 °C

- Self-extinguishing encapsulation.
- 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.
- 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.

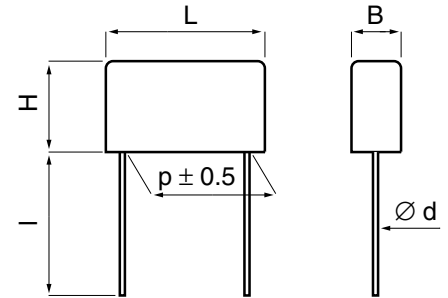
TYPICAL APPLICATIONS

High AC and DC voltage applications, such as

- commutator capacitor in converters
- high voltage DC-capacitor in TV sets
- ignition circuits.

CONSTRUCTION

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



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

l = standard: 30 +5/-0 mm
option: short leads, tolerance +0/-1 mm (standard 6 mm, code R06)
Other lead lengths on request

TECHNICAL DATA

| | |
|--|---|
| Rated voltage | 660 VAC 50/60 Hz 1500 VDC (1600 VDC, + 50°C) |
| Capacitance range | 0.001 – 0.1 μ F |
| Capacitance tolerance | ± 20% |
| Temperature range | –40 to +85°C |
| Climatic category IEC | 40/085/56/B |
| Approvals | ENEC, UL |
| Dissipation factor tanδ | ≤ 1.3 % at 1 kHz |
| Insulation resistance | ≥ 12000 M Ω Measured at 500 VDC after 60 s, +23°C |
| Test voltage between terminals | The 100% screening factory test is carried out at 3000 VDC. The voltage level is selected to meet the requirements in applicable equipment standards. |

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 |
| Active flammability | EN 132400 | | |
| Passive flammability | IEC 60384-14 EN 132400 | | |
| Humidity | IEC 60068-2-3 Test Ca | +40°C and 90 – 95% R.H. | 56 days |

ARTICLE TABLE

| Capacitance 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 | | | | |
| 0.0010 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME264NB4100MR30 | |
| 0.0015 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME264NB4150MR30 | |
| 0.0022 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME264NB4220MR30 | |
| 0.0033 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME264NB4330MR30 | |
| 0.0047 | 5.2 | 10.5 | 18.5 | 15.2 | 500 | 1000 | 600 | 1.7 | 2000 | PME264NB4470MR30 | |
| 0.0068 | 7.3 | 13.0 | 18.5 | 15.2 | 400 | 800 | 400 | 3.0 | 1400 | PME264NB4680MR30 | |
| 0.010 | 7.3 | 13.0 | 18.5 | 15.2 | 400 | 800 | 400 | 3.0 | 1400 | PME264NB5100MR30 | |
| 0.015 | 7.6 | 14.0 | 24.0 | 20.3 | 250 | 1500 | 250 | 4.0 | 1400 | PME264NC5150MR30 | |
| 0.022 | 9.0 | 15.0 | 24.0 | 20.3 | 200 | 1200 | 250 | 5.0 | 1400 | PME264NC5220MR30 | |
| 0.033 | 11.3 | 16.5 | 24.0 | 20.3 | 150 | 1000 | 180 | 7.0 | 1000 | PME264NC5330MR30 | |
| 0.047 | 10.5 | 17.0 | 30.5 | 25.4 | 100 | 1000 | | 8.5 | 1000 | PME264NE5470MR30 | |
| 0.068 | 12.1 | 19.0 | 30.5 | 25.4 | 100 | 800 | | 10.0 | 1000 | PME264NE5680MR30 | |
| 0.10 | 15.3 | 22.0 | 30.5 | 25.4 | 75 | 600 | | 15.0 | 600 | PME264NE6100MR30 | |

APPROVALS

| Certification Body | Specification |
|--------------------|---|
| ENEC | EN 132400 IEC 60384-14, Third edition (2005) |
| UL | UL 1283 ($U_R = 600 \text{ VAC}$) |

MARKING

- RIFA
- RIFA article code
- Rated capacitance
- Rated voltage
- X2
- SH, for self healing
- Climatic category according to IEC 60068-1, appendix A
- Passive flammability class
- Approval marks
- Manufacturing code (year, month)

ORDERING INFORMATION

The article code for the standard part is given in the article table.
For other options, see page 12.