PME264

• EMI suppressor, class X2, metallized paper
• 0.001 – 0.1 µF, 660 VAC, +85 °C

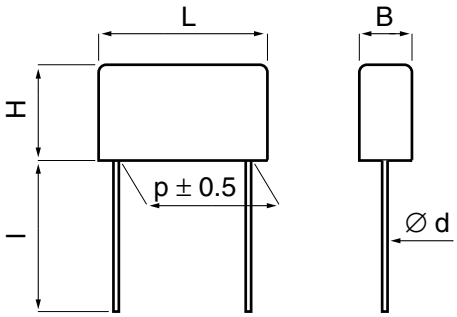
- Self-extinguishing encapsulation.
- High dU/dt capability.
- Excellent self-healing properties. Ensures long life even when subjected to frequent overvoltages.
- Good resistance to ionisation due to impregnated dielectric.
- The capacitors meet the most stringent IEC humidity class, 56 days.
- The 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 µF
Capacitance tolerance	± 20%
Temperature range	–40 to +85°C
Climatic category IEC	40/085/56/B
Approvals	S, UL
Dissipation factor tanδ	≤ 1.3 % at 1 kHz
Insulation resistance	≥ 12000 MΩ 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/s²	No visible damage No open or short circuit
Bump	IEC 60068-2-29 Test Eb	4000 bumps at 390 m/s²	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 (1993) EN 132400		
Humidity	IEC 60068-2-3 Test Ca	+40°C and 90 – 95% R.H.	56 days

ARTICLE TABLE

Capacitance	Max dimensions in mm				Quantity per package R30	R06	reel taped	Weight	Max dU/dt	Approvals S	UL	Article code
µF	B	H	L	p	pcs	pcs	pcs	g	V/µs			
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	19.0	15.2	400	800	400	3.0	1400	√	√	PME264NB4680MR30
0.010	7.3	13.0	19.0	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/REFERENCE DOCUMENTS

Certification Body	Specification	Approval reference
S	EN 132400	9649199/01
UL	UL 1283 (U_R = 600 VAC)	E100117

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 21.

PACKING

Capacitors in standard design (lead length 30 mm) and with L < 24 mm and lead length 5 or 6 mm are packed bulk in a box with dimensions 245 x 145 x 80 mm. Quantity/package as per article table.

Capacitors with L ≥ 24 mm and lead length 5 or 6 mm are packed on trays piled in a box with dimension 300 x 260 x 195 mm. Quantity/package as per article table.

Reels with taped capacitors are packed 10 in a box with dimension 370 x 370 x 560 mm. The standard quantity/reel is for 360 mm reel. If 500 mm reel is required, it must be specified when ordering and the quantity is 2 x the given quantity.