

# PME264

**RoHS**  
Compliant

- EMI suppressor, class X2, metallized paper
- 0.001 – 0.1  $\mu\text{F}$ , 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.

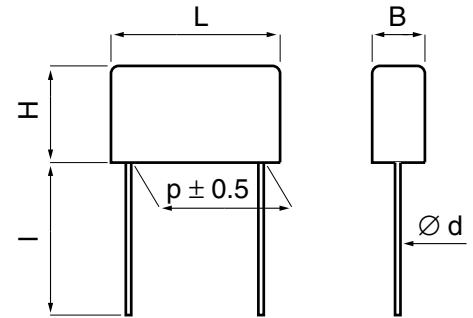
## TYPICAL APPLICATIONS

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.



## TECHNICAL DATA

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

d = 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

## ENVIRONMENTAL TEST DATA

<b>Vibration</b>	IEC 60068-2-6 Test Fc	3 directions at 2 hour each, 10 – 500 Hz at 0.75 mm or 98 m/s <sup>2</sup>	No visible damage No open or short circuit
<b>Bump</b>	IEC 60068-2-29 Test Eb	4000 bumps at 390 m/s <sup>2</sup>	No visible damage No open or short circuit
<b>Solderability</b>	IEC 60068-2-20 Test Ta	Solder globule method	Wetting time for d ≤ 0.8 < 1 s for d > 0.8 < 1.5 s
<b>Active flammability</b>	EN/IEC 60384-14:2005		
<b>Passive flammability</b>	EN/IEC 60384-14:2005		
<b>Humidity</b>	IEC 60068-2-3 Test Ca	+40°C and 90 – 95% R.H.	56 days

## ARTICLE TABLE

Capacitance $\mu\text{F}$	Max dimensions in mm				Quantity per package			Weight g	Max dU/dt V/ $\mu\text{s}$	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/IEC 60384-14:2005
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 11.