

# PME261

- General purpose AC/DC
- Metallized paper

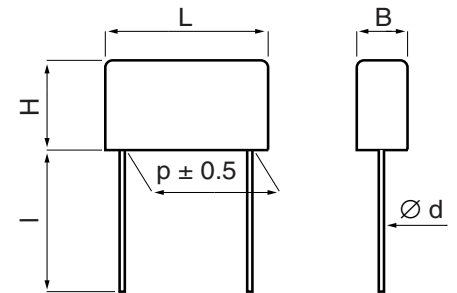
- IEC Publ. 166 Type 1
- High dU/dt capability.
- Excellent self-healing properties. Ensures long life even when subjected to frequent overvoltages.
- Good resistance to ionisation due to impregnated dielectric.
- Approved according to SE-MIL-QPL.
- The capacitors meet the most stringent IEC humidity 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: short leads, tolerance +0/-1 mm (standard 6 mm, code R06)  
Other lead lengths on request.

## TECHNICAL DATA

	PME261 K	PME261 E	PME261 J
<b>Rated voltage <math>U_R</math>, VAC</b>	220	300	500
<b>Rated voltage <math>U_R</math>, VDC</b>	400	630	1000
<b>Capacitance range, <math>\mu</math>F</b>	0.0082 - 1.0	0.001 - 0.15	0.001 - 0.1
<b>Capacitance tolerance</b>	— ± 10% code K ± 5% code J	± 20% code M ± 10% code K —	± 20% code M ± 10% code K —
<b>Temperature range</b>	AC application -40 to +70°C DC application -40 to +100°C		
<b>Climatic category</b>	IEC 40/070/56		
<b>Dissipation factor</b>	≤ 1.3 % at 1 kHz		
<b>Insulation resistance</b>	C ≤ 0.33 $\mu$ F      12000 M $\Omega$ C > 0.33 $\mu$ F      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

<b>Vibration</b>	IEC 60068-2-6 3 directions at 2 hour each Test Fc 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>Passive flammability</b>	IEC 60695-2-2	
<b>Humidity</b>	IEC 60068-2-3 +40°C and 90 – 95% R.H. Test Ca	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			
<b>220 VAC / 400 VDC PME261 K</b>										
<b>LEAD SPACING 10.2 MM</b>										
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
<b>LEAD SPACING 15.2 MM</b>										
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	19.0	15.2	400	800	400	3.0	1100	PME261KB5680KR30
0.10	7.3	13.0	19.0	15.2	400	800	400	3.0	850	PME261KB6100KR30
<b>LEAD SPACING 20.3 MM</b>										
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
<b>LEAD SPACING 25.4 MM</b>										
0.47	10.6	17.3	30.5	25.4	150	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
<b>300 VAC / 630 VDC PME261 E</b>										
<b>LEAD SPACING 10.2 MM</b>										
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
<b>LEAD SPACING 15.2 MM</b>										
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	19.0	15.2	400	800	400	3.0	1600	PME261EB5470KR30
0.068	7.3	13.0	19.0	15.2	400	800	400	3.0	1200	PME261EB5680KR30
<b>LEAD SPACING 20.3 MM</b>										
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

## 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			
<b>500 VAC/ 1000 VDC PME261 J</b>										
<b>LEAD SPACING 10.2 MM</b>										
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
<b>LEAD SPACING 15.2 MM</b>										
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	19.0	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
<b>LEAD SPACING 20.3 MM</b>										
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

## ORDERING INFORMATION

The article code for the standard part is given in the article table.  
For other options, see page 21.

## 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)

## 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.