

# PMZ2074

- Double capacitor; two capacitors in series
- EMI suppressor, class X2, metallized paper
- 275 VAC, +110 °C

- The highest possible safety regarding active and passive flammability.
- Self-extinguishing UL 94V-0 encapsulation material.
- Excellent self-healing properties. Ensures long life even when subjected to frequent overvoltages.

- Good resistance to ionisation due to impregnated dielectric.
- High dU/dt capability.
- Small dimensions.
- Safety approvals for worldwide use.
- The capacitors meet the most stringent IEC humidity class, 56 days.

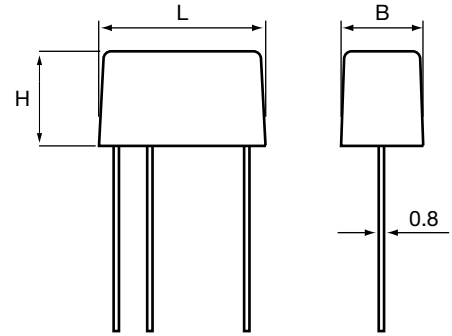
- The impregnated paper ensures excellent stability giving outstanding reliability properties, especially in applications having continuous operation.

## TYPICAL APPLICATIONS

The capacitors are intended for use as interference suppressors in X2 (across-the-line) applications or in other demanding applications where two capacitors are utilized in series.

## CONSTRUCTION

Multilayer metallized paper, encapsulated and impregnated in self-extinguishing material meeting the requirements of UL 94V-0.



## TECHNICAL DATA

<b>Rated voltage</b>	275 VAC, 50/60 Hz
<b>Capacitance range</b>	150 + 47, 220 + 82, 220 + 100 nF
<b>Capacitance tolerance</b>	± 20%, ± 10%, -5/+15%
<b>Temperature range</b>	-40 to +110°C
<b>Climatic category</b>	40/110/56/B
<b>Approvals</b>	S
<b>Dissipation factor tan δ</b>	< 1.3 % at 1 kHz
<b>Insulation resistance</b>	≥ 12000 MΩ Measured at 500 VDC after 60 s, +23°C
<b>Test voltage between terminals</b>	The 100% screening factory test is carried out at 2150 VDC. The voltage level is selected to meet the requirements in applicable equipment standards. All electrical characteristics are checked after the test.
<b>In DC applications</b>	Recommended voltage ≤ 630 VDC.

## ARTICLE TABLE

Capacitance		Max dimensions in mm				Quantity per package			Weight	Approvals	Article code
C1	C2	B	H	L	p	R30	R06	reel			
$\mu\text{F}$	$\mu\text{F}$					pcs	pcs	taped			
0.15	0.047	12.5	16.0	24.0	20.3	150	1000	6.7	✓	PMZ2074MC615K547MR30	
0.22	0.082	14.0	17.5	24.0	20.3	100	900	8.4	✓	PMZ2074MC622K582MR30	
0.22	0.10	14.0	17.5	24.0	20.3	100	900	8.4	✓	PMZ2074MC622K610MR30	

## APPROVALS/REFERENCE DOCUMENTS

Certification Body	Specification	Approval reference
S	EN 132400	0104011/01

## MARKING

- RIFA
- RIFA article code
- Rated capacitance
- Rated voltage
- Capacitor class and sub-class
- Climatic category according to IEC 60068-1, appendix A
- Passive flammability class
- Approval marks
- Manufacturing code (year, month)

## 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 < 1.5 s
<b>Active flammability</b>	EN 132400		
<b>Passive flammability</b>	IEC 60384-14 (1993) EN 132400 UL 1414	Enclosure material of UL 94V-0 flammability class	
<b>Humidity</b>	IEC 60068-2-3 Test Ca	+40°C and 90 – 95% R.H.	56 days

## PACKING

Capacitors in standard design (lead length 30 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 dimensions 300 x 260 x 195 mm. Quantity/package as per article table.

## ORDERING INFORMATION

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