

# PMZ2074

**RoHS**  
Compliant

- 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

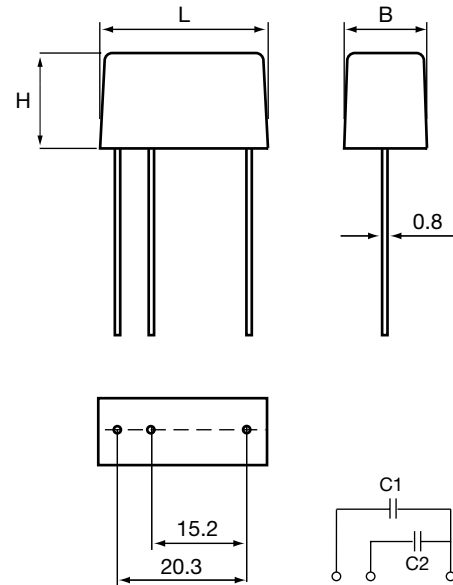
The capacitors are intended for use as interference suppressors in X2 (across-the-line) applications or in other demanding applications where two capacitors are utilized in series.

## 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 + 33, 150 + 47, 150 + 68, 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>	ENEC
<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	Article code
C1	C2	B	H	L	p	R30	R06	reel		
μF	μF					pcs	pcs	pcs	g	pcs
0.15	0.033	12.5	16.0	24.0	20.3	150	900	7.0	PMZ2074MC615K533MR30	
0.15	0.047	12.5	16.0	24.0	20.3	150	900	7.0	PMZ2074MC615K547MR30	
0.15	0.068	12.5	16.0	24.0	20.3	150	900	7.0	PMZ2074MC615K568MR30	
0.22	0.082	14.0	18.0	24.0	20.3	100	900	8.4	PMZ2074MC622K582MR30	
0.22	0.10	14.0	18.0	24.0	20.3	100	900	8.4	PMZ2074MC622K610MR30	

## APPROVALS

Certification Body	Specification
ENEC	EN 132400 IEC 60384-14, Third edition (2005)

## 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 60068-2-294000 Test Eb	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 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

## ORDERING INFORMATION

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