

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

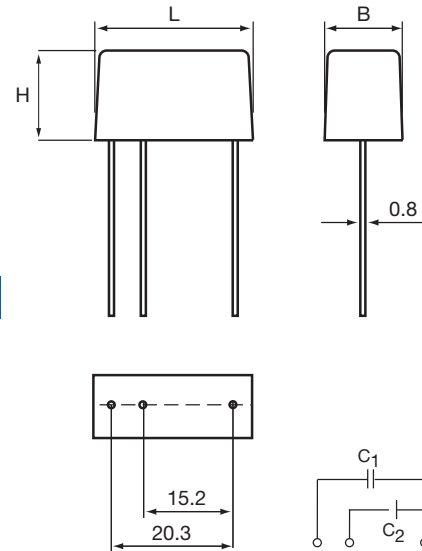
The capacitors are intended for use as interference suppressors in X2 (across-the-line) applications or in other demanding applications where two capacitors are utilized in series.

CONSTRUCTION

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

TECHNICAL DATA

Rated voltage	275 VAC, 50/60 Hz
Capacitance range	150 + 33, 150 + 47, 150 + 68, 220 + 82, 220 + 100 nF
Capacitance tolerance	± 20%, ± 10%, -5/+15%
Temperature range	-40 to +110°C
Climatic category	40/110/56/B
Approvals	ENEC
Dissipation factor $\tan \delta$	< 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 2150 VDC. The voltage level is selected to meet the requirements in applicable equipment standards. All electrical characteristics are checked after the test.
In DC applications	Recommended voltage ≤ 630 VDC.



ARTICLE TABLE

Capacitance		Max dimensions in mm				Quantity per package			Weight g	Max dU/dt		Article code
C ₁ μF	C ₂ μF	B	H	L	p	R30 pcs	R06 pcs	reel taped pcs		V/μs C ₁	C ₂	
0.15	0.033	12.5	16.0	24.0	20.3	150	900		7.0	600	1200	PMZ2074MC615K533MR30
0.15	0.047	12.5	16.0	24.0	20.3	150	900		7.0	600	1200	PMZ2074MC615K547MR30
0.15	0.068	12.5	16.0	24.0	20.3	150	900		7.0	600	1200	PMZ2074MC615K568MR30
0.22	0.082	14.0	18.0	24.0	20.3	100	900		8.4	600	1200	PMZ2074MC622K582MR30
0.22	0.10	14.0	18.0	24.0	20.3	100	900		8.4	600	1200	PMZ2074MC622K610MR30

APPROVALS

Certification Body	Specification
ENEC	EN/IEC 60384-14:2005

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

Vibration	IEC 60068-2-6 Test Fc	3 directions at 2 hour each 10 – 500 Hz at 0.75 mm or 98 m/s ²	No visible damage No open or short circuit
Bump	IEC 60068-2-29 Test Eb	4000 bumps at 390 m/s ²	No visible damage No open or short circuit
Solderability	IEC 60068-2-20 Test Ta	Solder globule method	Wetting time for d > 0.8 < 1.5 s
Active flammability	EN/IEC 60384-14:2005		
Passive flammability	EN/IEC 60384-14:2005 UL 1414	Enclosure material of UL 94V-0 flammability class	
Humidity	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 11.