PMR205



- 0.1 1.0 μ F, 22 680 Ω , 125 VAC, +85 °C
- Small dimensions
- High dU/dt capability.
- Excellent self-healing properties.
 Ensures long life even when subjected to frequent overvoltages.
- Self-extinguishing encapsulation.

Good resistance to ionisation due to impregnated dielectric.

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

CONSTRUCTION

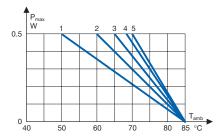
Single layer metallized paper. Encapsulated and impregnated in self-extinguishing material meeting the requirements of UL 94V-0. The resistance in the metal layer is utilized as series resistance, integrated resistor.

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I: standard: 30 +5/-0 mm (code R30)

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



Maximum allowable power dissipation vs ambient temperature and case sizes.

TYPICAL APPLICATIONS

RC unit for use in DC and AC applications for:

- contact protection
- interference suppression of contacts
- transient suppression

TECHNICAL DATA

Rated voltage 250 VDC, 125 VAC

Capacitance range
Capacitance tolerance

Capacitance tolerance $\pm 20\%$ Resistance range $22 - 680 \Omega$

Resistance tolerance

Peak pulse voltage

Temperature range Climatic category

-40 to +85°C 40/085/56/B

 $0.1-1.0 \mu F$

± 30%

375 V

Series resistance

The series resistance is defined at 1 kHz for RC $\geq 50~\mu s$ and at 100 kHz for RC $< 50~\mu s.$

Insulation resistance

 $\geq 3000~\text{M}\Omega$ for C $\leq 0.33~\mu\text{F}$ $\geq 1000~\text{s}$ for C $> 0.33~\mu\text{F}$

Measured at 100 VDC after 60 s, +23°C

Power ratings

The average losses may reach 0.5 W provided the surface temperature does not exceed + 85°C. For maximum permitted power dissipation v temperature, see derating curves.

Curve	Dimensions	Dimensions					
1	B = 5.2						
2	B = 7.3						
2	B = 7.8						
3	B = 7.6						
4	B = 9.0						
5	B = 11.3						

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/s²

No visible damage, No open or short circuit

Bump IEC 60068-2-29, Test Eb 4000 bumps at 390 m/s²

No visible damage, No open or short circuit

Solderability IEC 60068-2-20, Test Ta Solder globule method

Wetting time < 1 s

Humidity IEC 60068-2-3, Test Ca +40°C and 90 – 95% R.H.

56 days

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.





						ARTI	CLE TAB	LE		
Capaci- tance	Resis- tance	Max dimensions in mm			Quantity per package R30 R06 reel			Weight	Article code	
μF	Ω	В	н	L	р	pcs	pcs	taped pcs	g	
0.10	33	5.2	10.5	18.5	15.2	500	1000	600	1.7	PMR205AB6100M033R30
0.10	47	5.2	10.5	18.5	15.2	500	1000	600	1.7	PMR205AB6100M047R30
0.10	100	5.2	10.5	18.5	15.2	500	1000	600	1.7	PMR205AB6100M100R30
0.10	220	5.2	10.5	18.5	15.2	500	1000	600	1.7	PMR205AB6100M220R30
0.15	68	5.2	10.5	18.5	15.2	500	1000	600	1.7	PMR205AB6150M068R30
0.15	100	5.2	10.5	18.5	15.2	500	1000	600	1.7	PMR205AB6150M100R30
0.22	47	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6220M047R30
0.22	100	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6220M100R30
0.22	220	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6220M220R30
0.22	330	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6220M330R30
0.22	470	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6220M470R30
0.25	200	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6250M200R30
0.25	350	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6250M350R30
0.25	600	7.3	13.0	18.5	15.2	400	800	400	3.0	PMR205AB6250M600R30
0.33	47	7.8	13.5	18.5	15.2	400	800	400	3.3	PMR205AB6330M047R30
0.47	22	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M022R30
0.47	33	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M033R30
0.47	47	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M047R30
0.47	68	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M068R30
0.47	100	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M100R30
0.47	150	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M150R30
0.47	220	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M220R30
0.47	330	7.6	14.0	24.0	20.3	250	1500	250	4.0	PMR205AC6470M330R30
0.47	470	9.0	15.0	24.0	20.3	200	1200	250	5.0	PMR205AC6470M470R30
0.47	680	11.3	16.5	24.0	20.3	150	1000	180	7.0	PMR205AC6470M680R30
1.0	33	10.6	16.1	30.5	25.4	150	1000		8.6	PMR205AE7100M033R30
1.0	47	11.3	16.5	24.0	20.3	150	1000		7.0	PMR205AC7100M047R30
1.0		11.3	16.5	24.0	20.3	150	1000		7.0	PMR205AC7100M047R30 PMR205AC7100M068R30
1.0		11.3 11.3	16.5 16.5	24.0 24.0	20.3	150 150	1000		7.0	PMR205AC7100M100R30 PMR205AC7100M150R30
1.0					20.3		1000		7.0	
1.0	220	11.3	16.5	24.0	20.3	150	1000		7.0	PMR205AC7100M220R30

ORDERING INFORMATION

The article code for the standard part is given in the article table. For other options, see page 11.

MARKING

- RIFA
- RIFA article code
- RC unit
- Rated capacitance and resistance
- Rated voltage
- MP, for metallized paper
- Climatic category according to IEC 60068-1, appendix A
- Passive flammability class
- Circuit diagram
- Manufacturing code (year, month)

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