

Aluminum Can Power Film Capacitors

RMPG

A polypropylene segmented metallized film with cylindrical aluminium can type filled with resin,screw terminals and plastic deck.

■ Features

- Controlled self-healing
- Low losses
- High ripple current
- High capacitance density
- Long lifetime

■ Applications

- DC filtering
- energy storage

■ Specifications

Reference Standard	IEC 61071
Climatic Category	40 / 85 / 21
Rated Temperature	+85°C
	±1.5% max on capacitance value measured at +20 °C
Operation Temperature Range	-40 to + 90 °C
Rated Voltage	600~1300Vdc
Capacitance Range(μ F)	50 μ F – 600 μ F
Capacitance Tolerance	±5%, ±10%

Life Expectancy	
Life Expectancy – Group A	100,000 hours at VNDC at Hot-Spot temperature THS = 85°C
Life Expectancy – Group B	100,000 hours at VNDC at Hot-Spot temperature THS = 70°C

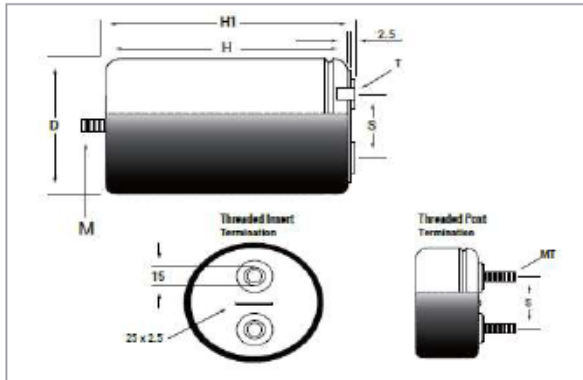
■ Part Number System

RMPA	400V	504	J	60	I		
Part-1	Part-2	Part-3	Part-4	Part-5	Part-6	Part-7	Part-8

Part-1 : Series Code(Series Name)-RMPG
Part-2 : Rated Voltage(600~1300VDC)
Part-3 : Rated Capacitance Value(50 μ F – 600 μ F)
Part-4 : Capacitance Tolerance(J : ±5% K : ±10%)
Part-5 : Case Diameter (76 / 85)
Part-6 : I- Cylindial type
Part-7 : Internal Use
Part-8 : Internal Use

CODE	STYLE
B	Bending Forming
C	Straight Cutting
D	D-Type Forming
L	B-Type long Forming
M	C-Type long Forming
S	Straight
X	B-Type Forming
Y	C-Type Forming
Z	Z-Type Forming
T	A-Type Tapping
U	B-Type Tapping
V	C-Type Tapping

■ Dimensions



Cap Value (μ F)	VDC	Maximum Dimensions (mm)			Ripple Current 10 kHz 40° C (A) _i	Peak Current (A)	ESR 10 kHz (m Ω)	ESL (nH)	Thermal Res (°C/W)	dV/dt (V/ μ s)	Part number
		D	H	H1							
120	700	76	55	61	63	2,520	1.1	36	9.9	21	RMPG700V127J76I_
160	700	85	55	61	73	3,360	0.9	36	8.6	21	RMPG700V167 J85I_
170	700	76	70	76	62	2,450	1.4	40	8.2	14	RMPG700V177J76I_
220	700	85	70	76	70	3,150	1.2	40	7.2	14	RMPG700V227J85I_
350	700	76	120	126	55	2,450	2.8	50	5.3	7	RMPG700V357J76I_
420	700	76	140	146	55	2,550	3.2	60	4.6	6	RMPG700V427J76I_
450	700	85	120	126	65	3,150	2.3	50	4.6	7	RMPG700V457J85I_
550	700	85	140	146	65	3,300	2.6	60	4.1	6	RMPG700V557J85I_
70	900	76	55	61	57	1,950	1.4	36	9.9	26	RMPG900V706J76I_
100	900	85	55	61	65	2,600	1.2	36	8.6	26	RMPG900V107J85I_
110	900	76	70	76	57	1,870	1.6	40	8.2	17	RMPG900V117J76I_
150	900	85	70	76	65	2,550	1.4	40	7.2	17	RMPG900V157J85I_
220	900	76	120	126	50	1,980	3.3	50	5.3	9	RMPG900V227J76I_
270	900	76	140	146	50	1,925	3.8	60	4.6	7	RMPG900V277J76I_
300	900	85	120	126	60	2,700	2.7	50	4.6	9	RMPG900V307J85I_
350	900	85	140	146	60	2,450	3	60	4.1	7	RMPG900V357J85I_
50	1,100	76	55	61	52	1,550	1.6	36	9.9	31	RMPG1100V506J76I_
70	1,100	85	55	61	62	2,170	1.3	36	8.6	31	RMPG1100V706J85I_
80	1,100	76	70	76	58	1,575	1.6	40	8.2	21	RMPG1100V806J76I_
100	1,100	85	70	76	60	2,100	1.7	40	7.2	21	RMPG1100V107J85I_
150	1,100	76	120	126	45	1,650	4.1	50	5.3	11	RMPG1100V157J76I_
190	1,100	76	140	146	47	1,710	4.3	60	4.6	9	RMPG1100V197J76I_
200	1,100	85	120	126	55	2,200	3.2	50	4.6	11	RMPG1100V207J85I_
250	1,100	85	140	146	55	2,250	3.6	60	4.1	9	RMPG1100V257J85I_

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		D	H	H1							
600	600	85	124.5	126	83	8,200	0.75	50	5.8	14	RMPG600V607J85I_
200	900	76	95	101	45	2,000	2.3	36	6.4	10	RMPG900V207J76I_
270	900	76	95	101	50	2,700	1.8	36	6.4	10	RMPG900V277J76I_
370	900	85	95	101	60	3,700	1.4	40	5.6	10	RMPG900V377J85I_
510	900	85	120	126	60	3,570	1.8	40	4.6	7	RMPG900V517J85I_
600	900	85	140	146	58	4,200	2.2	40	4.1	7	RMPG900V607J85I_
130	1,100	76	95	101	40	1,560	2.8	36	6.4	12	RMPG1100V137J76I_
170	1,100	76	95	101	46	2,100	2.2	36	6.4	12	RMPG1100V177J76I_
240	1,100	85	95	101	56	2,880	1.7	40	5.6	12	RMPG1100V247J85I_
280	1,100	76	140	146	43	1,960	3.4	40	4.6	7	RMPG1100V287J76I_
330	1,100	85	140	146	50	2,310	2.9	40	4.1	7	RMPG1100V337J85I_
420	1,100	85	155	161	60	2,940	2.1	60	3.7	7	RMPG1100V427J85I_
500	1,100	85	174	180	90	6,000	1.1	80	3.4	12	RMPG1100V507J85I_
90	1,300	76	95	101	37	1,350	3.3	36	6.4	15	RMPG1300V906J76I_
120	1,300	76	95	101	43	1,800	2.5	36	6.4	15	RMPG1300V127J76I_
160	1,300	85	95	101	52	2,475	2	40	5.6	15	RMPG1300V167J85I_
190	1,300	76	140	146	40	1,755	4	50	4.6	9	RMPG1300V197J76I_
250	1,300	85	140	146	47	2,250	3.3	50	4.1	9	RMPG1300V257J85I_
320	1,300	85	174	180	82	4,800	1.3	80	3.4	15	RMPG1300V327J85I_
550	1,300	85	264	270	82	4,950	1.9	100	2.3	9	RMPG1300V557J85I_