

GENERAL TECHNICAL CHARACTERISTICS

Reference standards :	IEC 61071-60068
Climatic category:	40/85/56
Dielectric :	Polypropylene film
Construction :	Dry construction, filled by Oil
Featuers:	Low ESR, Low Ls, high stability. Self healing

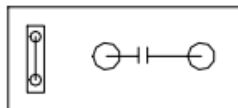
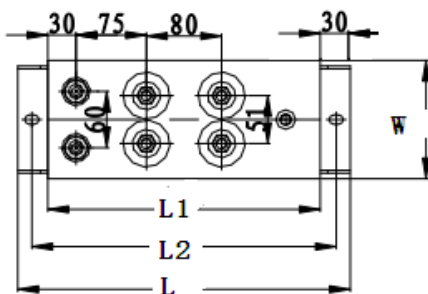
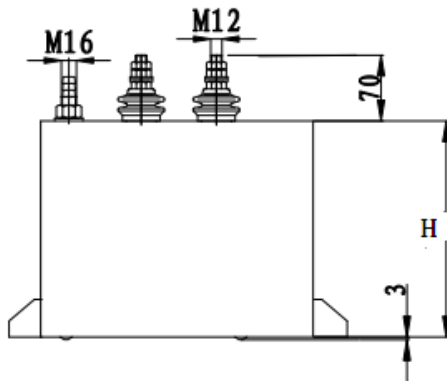
ELECTRICAL CHARACTERISTICS

Working temperature :	-40 to + 85°C(max hotspots≤85°C)
Storage temperature :	-40 to + 85°C
Capacitance :	400 to 1000μF
Rated Voltage	500 to 3600Vac
Tolerance :	± 5%(J) ± 10%(K)
Dissipation factor	≤ 10 ⁻⁵ Measured at 100Hz 25°C
Stray inductance	≤ 120nH
Withstand strike current ability	dv/dt>7v/ μ s
Effective current	80 to 400A
Life expectancy :	100,000 hours at Un and 70°C

TEST METHODS AND PERFORMANCES

Insulation resistance :	≥5,000s after 1 minute of electrification at 100Vdc (25±5°C)
Test voltage between terminals	1.5Un applied for 10s at 25±5°C
Test voltage between terminals and case :	1.5Un 50Hz for 60 sec

Outline drawing



Shape size is related to capacity, customized. according to customers.

PROTECTION AGAINST OVERVOLTAGES

$1.1 \times U_n$	30% of the service period
$1.15 \times U_n$	30 min/d
$1.2 \times U_n$	5 min/d
$1.3 \times U_n$	1 min/d
$1.5 \times U_n$	100 ms no more than 1000 times

No.	Code	Rated voltage Kvac	Rated capacity kVar	Rated frequency kHz	Rated capacitance μF	Outline size $\pm 2(\text{mm})$				G.W. kg	Case NO.
						L	W	H	H1		
1	PLRFM0.25-500-3S	0.25	0.25	3	424.4	440	165	310	403	33	7
2	PLRFM0.375-160-8S B	0.375	160	8	22.64	303	120	200	293	13	4
3	PLRFM0.375-250-20 S	0.375	250	20	14.15	303	120	175	268	11	2
4	PLRFM0.375-750-1S	0.375	750	1	848.8	440	205	435	528	56	6
5	PLRFM0.5-400-40S	0.5	400	40	6.366	303	120	270	363	15	5
6	PLRFM0.5-640-20S	0.5	640	20	20.37	303	120	300	393	18	5
7	PLRFM0.65-1000-0.5 S	0.65	1000	0.5	753.4	440	205	400	493	53	5
8	PLRFM0.65-1000-1S	0.65	1000	1	376.7	336	142	415	508	31	5
9	PLRFM0.65-1000-8S	0.65	1000	8	47.09	336	142	240	333	13	5
10	PLRFM0.75-160-8SB	0.75	160	8	5.659	303	120	200	293	12	6
11	PLRFM0.75-250-2.5 S	0.75	250	2.5	28.29	303	120	200	293	12	1
12	PLRFM0.75-320-8S	0.75	320	8	11.32	303	120	200	293	12	2
13	PLRFM0.75-360-1S	0.75	360	1	101.9	303	120	240	333	14	1
14	PLRFM0.75-360-1S	0.75	360	1	101.9	303	120	270	363	15	1
15	PLRFM0.75-360-50S	0.75	360	50	2.037	303	120	200	293	12	2
16	PLRFM0.75-500-2.5 S	0.75	500	2.5	56.59	303	120	220	313	13	2

PULOM

PLRFM series High frequency - water cooled

17	PLRFM0.75-560-4S	0.75	560	4	39.61	303	120	240	333	14	2
18	PLRFM0.75-640-8S	0.75	640	8	22.64	303	120	175	268	11	2
19	PLRFM0.75-720-1S	0.75	720	1	203.7	336	142	270	363	19	3
20	PLRFM0.75-720-1S	0.75	720	1	203.7	336	142	310	403	23	3
21	PLRFM0.75-750-0.5S	0.75	750	0.5	424.4	336	142	515	608	38	5
22	PLRFM0.75-1000-0.5S	0.75	1000	0.5	565.9	440	165	400	493	42	5
23	PLRFM0.75-1000-1S	0.75	1000	1	282.9	336	142	360	453	26	5
24	PLRFM0.75-1000-1S	0.75	1000	1	282.9	336	142	410	503	31	5
25	PLRFM0.75-1000-1S	0.75	1000	1	282.9	336	142	450	543	33	5
26	PLRFM0.75-1000-1S	0.75	1000	1	282.9	336	165	375	468	33	5
27	PLRFM0.75-1000-2.5S	0.75	1000	2.5	113.2	336	142	270	363	19	5
28	PLRFM0.75-1000-8S	0.75	1000	8	35.37	336	142	220	313	18	5
29	PLRFM0.75-1000-30S	0.75	1000	30	9.431	336	142	240	333	19	6
30	PLRFM0.75-1500-1S	0.75	1500	1	424.4	336	142	515	608	38	6
31	PLRFM0.75-1500-1S	0.75	1500	1	424.4	440	165	350	443	40	6
32	PLRFM0.75-1500-2.5S	0.75	1500	2.5	169.8	336	142	340	433	24	6
33	PLRFM0.75-2000-1S	0.75	2000	1	565.9	440	170	400	493	41	7
34	PLRFM0.75-2000-1S	0.75	2000	1	565.9	440	170	465	558	48	7
35	PLRFM0.75-2000-6S	0.75	2000	6	94.31	440	165	240	333	26	7
36	PLRFM0.8-2000-1.5S	0.8	2000	1.5	331.6	440	165	350	443	40	7
37	PLRFM1.0-1000-1S	1	1000	1	159.2	336	142	360	453	26	5
38	PLRFM1.0-1000-20S	1	1000	20	7.958	303	120	240	333	14	2
39	PLRFM1.175-2000-2.7S	1.175	2000	2.7	85.39	336	142	350	443	25	6
40	PLRFM1.2-1000-0.5S	1.2	1000	0.5	221	440	165	325	418	33	5
41	PLRFM1.2-1000-0.5S	1.2	1000	0.5	221	440	165	360	453	41	5

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PLRFM series High frequency - water cooled

42	PLRFM1.2-1000-1S	1.2	1000	1	110.5	336	142	300	393	22	3
43	PLRFM1.2-1200-0.7S	1.2	1200	0.7	189.5	440	165	300	393	30	5
44	PLRFM1.2-1500-0.5S	1.2	1500	0.5	331.6	440	165	465	558	44	5
45	PLRFM1.2-1500-0.5S	1.2	1500	0.5	331.6	440	165	495	588	50	5
46	PLRFM1.2-2000-0.5S	1.2	2000	0.5	442.1	440	205	435	528	56	6
47	PLRFM1.2-2000-1S	1.2	2000	1	221	440	165	360	453	40	6
48	PLRFM1.4-2000-0.5S	1.4	2000	0.5	324.8	440	205	425	518	55	5
49	PLRFM1.5-1000-0.2S	1.5	1000	0.2	353.7	440	205	495	588	67	5
50	PLRFM1.5-1000-1S	1.5	1000	1	70.74	336	142	340	433	24	5
51	PLRFM1.5-2000-2.5S	1.5	2000	2.5	56.59	336	142	400	493	30	5
52	PLRFM1.6-1000-0.5S	1.6	1000	0.5	124.3	336	142	450	543	33	3
53	PLRFM1.6-2000-0.5S	1.6	2000	0.5	248.7	440	205	390	483	52	5
54	PLRFM1.6-3000-0.5S	1.6	3000	0.5	373	440	205	560	653	70	6
55	PLRFM1.7-1500-0.25S	1.7	1500	0.25	330.4	440	205	610	703	78	3
56	PLRFM1.7-3000-0.5S	1.7	3000	0.5	330.4	440	205	590	683	72	6
57	PLRFM2.0-3000-4S	2	3000	4	29.84	440	165	350	454	38	6
58	PLRFM2.2-2000-0.5S	2.2	2000	0.5	131.5	440	205	435	539	56	5
59	PLRFM2.4-2000-0.5S	2.4	2000	0.5	110.5	440	205	435	539	56	5

Part Numbering System : PLRFM1.0-302-1.0S