

Value μ	Dimensions			Lead Pitch	Lead Dia.	Lead Length	Mfrs. List No.	Order Code
	H	W	D					
0.01	10.5	18	5.5	15	0.8	17	PHE830MB5100M	869-363
0.015	10.5	18	5.5	15	0.8	17	PHE830MB5150M	869-375
0.022	10.5	18	5.5	15	0.8	17	PHE830MB5220M	869-387
0.047	12.5	18	5.5	15	0.8	17	PHE830MB5470M	869-399
0.1	14.5	18	7.5	15	0.8	6	PHE830MB6100M	869-405
0.15	14.5	26	6.5	22.5	0.8	6	PHE830MD6150M	869-417
0.22	16	26	8.0	22.5	0.8	6	PHE830MD6220M	869-429
1.0	24.5	31.5	14.5	27.5	0.8	6	PHE830MF7100M	869-430
1.5	28	31.5	17.5	27.5	0.8	6	PHE830MF7150M	869-442
2.2	35	41	16.5	37.5	1.0	6	PHE830MR7220M	869-454

FIL197

Value μ F	Order Code	Price Each					
		1+	50+	100+	250+	500+	1000+
0.01	.869-363						
0.015	.869-375						
0.022	.869-387						
0.047	.869-399						
0.1	.869-405						
0.15	.869-417						
0.22	.869-429						
1	.869-430						
1.5	.869-442						
2.2	.869-454						

Class X2 Metallised Polyester 275V ac PHE820 Series +100°C



- Approved to EN132400, VDE, UL, CSA, SEMKO, DEMKO, NEMKO, FI, VDE, SEV, OVE, & IMQ

Tolerance	±20%	Voltage rating	275V ac
Operating temperature	-40° to +100°C	Climatic category	40/100/56
Insulation resistance	C ≤ 0.33 μ F ≥ 30,000 M Ω C ≥ 0.33 μ F ≥ 10,000 M Ω		

Value μ F	Dimensions			Lead Pitch	Lead Dia.	Lead Length	Mfrs. List No.	Order Code
	H	W	D					
0.01	10.5	18	5.5	15	0.8	17	PHE820MB5100M	869-466
0.047	12.5	18	6.5	15	0.8	17	PHE820MB5470M	869-478
0.1	16	18	8.5	15	0.8	17	PHE820MB6100M	869-480
0.47	22.5	31.5	11.5	27.5	0.8	6	PHE820MF6470M	869-491
1.0	28	31.5	17.5	27.5	0.8	6	PHE820MF7100M	869-508
2.2	36	41	19	37.5	1.0	6	PHE820MR7220M	869-510

FIL198

Value μ F	Order Code	Price Each					
		1+	50+	100+	250+	500+	1000+
0.01	.869-466						
0.047	.869-478						
0.1	.869-480						
0.47	.869-491						
1	.869-508						
2.2	.869-510						

Class X2 with Resistor 250V ac PMR209 Series +85°C



- Metallised paper X2 capacitor with integral series resistor
- Applications include contact protection, suppression of contacts and transient suppression in AC and DC circuits
- Long life when exposed to overvoltages due to excellent self-healing properties
- Approvals include SEMKO, DEMKO, NEMKO, VDE, SEV, FI, UL & EN132400

Capacitance tolerance	±20%	Resistor tolerance	±30%
Voltage rating	250V ac 630V dc	Peak pulse voltage	1000V
Insulation resistance @ 500V dc, +23°C after 60s		Power rating	0.5W (case +85°C) C ≤ 0.33 μ F ≥ 3000 M Ω C > 0.33 μ F ≥ 1000 M Ω

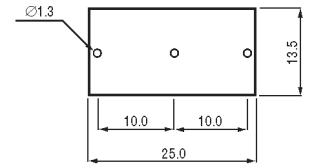
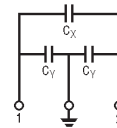
Nominal lead length 30

Value μ F	Ω	Dimensions			Lead Pitch	Lead Dia.	Mfrs. List No.	Order Code
		H	W	D				
0.047	47	13	19	7.3	15.2	0.8	PMR209MB5470M047	615-286
0.047	100	13	19	7.3	15.2	0.8	PMR209MB5470M100	772-719
0.1	22	14	24	7.6	20.3	0.8	PMR209MC6100M022	772-744
0.1	47	14	24	7.6	20.3	0.8	PMR209MC6100M047	615-298
0.1	100	14	24	7.6	20.3	0.8	PMR209MC6100M100	772-756
0.1	470	16.5	24	11.3	20.3	0.8	PMR209MC6100M470	772-768
0.22	22	16.5	24	11.3	20.3	0.8	PMR209MC6220M022	772-690
0.22	47	16.5	24	11.3	20.3	0.8	PMR209MC6220M047	553-025
0.22	100	16.5	24	11.3	20.3	0.8	PMR209MC6220M100	553-037
0.22	470	22	30.5	15.3	25.4	1.0	PMR209ME6470M470	772-707
0.47	47	22	30.5	15.3	25.4	1.0	PMR209ME6470M047	772-720
0.47	100	22	30.5	15.3	25.4	1.0	PMR209ME6470M100	772-732

FIL199

Order Code	1+	50+	100+	250+	500+	1000+
.615-286						
.772-719						
.772-744						
.615-298						
.772-756						
.772-768						
.772-690						
.553-025						
.553-037						
.772-707						
.772-720						
.772-732						

Class X2 Plus 2 x Y2 Delta Formation 275Vac PZB300 Series +100°C



- Metallised paper suppression capacitors
- One Class X2 and two Class Y2 capacitors arranged in a delta formation
- Excellent self-healing properties
- Approved to SEMKO, NEMKO, DEMKO, FI, VDE, SEV, OVE, IMQ, UL, CSA & EN132400

Tolerance	±20%	Voltage rating	275V ac
Dissipation factor	≤ 1.3% @ 1kHz	Temperature range	-40° to +100°C
Insulation resistance (500Vdc after 60s)	≥ 12000 M Ω @ +23°C	Climatic category	40/100/46
		Min. lead length	30

CX μ F	CF nF	Dimensions			Lead Pitch	Lead Dia.	Mfrs. List No.	Order Code
		H	W	D				
0.1	2	2.2	16	24	12.5	20	0.8	PZB300MC11 869-521
0.1	2	4.7	16	24	12.5	20	0.8	PZB300MC13 869-533

FIL191

Order Code	1+	50+	100+	250+	500+	1000+
.869-521						
.869-533						

Class Y1 Metallised Paper 440V ac PME 294 Series +115°C



- Designed for double insulation applications
- Encapsulation and box material self-extinguishing to UL94V-0
- High dv/dt capability
- Excellent self-healing properties ensure long life
- Approvals include EN132400, SEMKO, NEMKO, DEMKO, FI, VDE, SEV, OVE UL, & CSA

- Suitable for applications requiring voltage test up to 4000V ac for 60 seconds

Tolerance	±20%	Voltage rating	440V ac
Operating temperature	+40°C to +115°C	Insulation resistance (at 500V DC after 60s@+23°C)	≥ 12,000 M Ω
Climatic category	40/115/56		
Nominal lead length	30		

Value pF	Dimensions			Lead Pitch	Lead Dia.	Mfrs. List No.	Order Code
	H	W	D				
470	12	18	5.5	15	0.8	PME294RB3470M	772-641
1000	12.5	18	5.5	15	0.8	PME294RB4100M	772-653
2200	13	18	7.5	15	0.8	PME294RB4220M	772-665
3300	15.5	18	7.5	15	0.8	PME294RB4330M	772-677
4700	17	18	8.5	15	0.8	PME294RB4470M	772-689

FIL218

pF	Order Code	1+	50+	100+	250+	500+	1000+
470	.772-641						
1000	.772-653						
2200	.772-665						
3300	.772-677						
4700	.772-689						

continued