
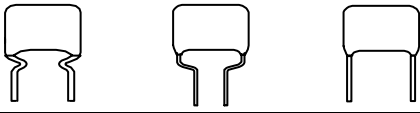


Dielectric		Style		Type	Application	Page
Metallized Polyester Film Capacitors	Metallized Polyester	MKT	(Dipped)	PCMT 365/366/367	<ul style="list-style-type: none"> • Blocking • Coupling • Bypass • Energy reservoir 	17
						PCMT 369
			(Box)	PCMT 468		19
EMI Suppression Film Capacitors	Metallized Polypropylene	MKP	(Box)	PCX2 339 (MINI) (X2)	<ul style="list-style-type: none"> • SMPS • EMI Filters • E – Ballast • Dom. Appliance 	20
				PCX2 339 (X2)		
				PCX2 337 (MINI) (X2)		
				PCX2 337 (X2)		
				PCX1 331 (X1)	• Industrial	21
				PCY2 130 (Y2)	<ul style="list-style-type: none"> • SMPS • EMI Filters 	
				PCRC 420 (RC Unit)	<ul style="list-style-type: none"> • Noise Suppressor • Spark Quenching 	22
Series Impedance Capacitors	Metallized Polyester	MKT	(Box)	PCX2 347	• capacitive power supply	23
Metallized Polypropylene Film Capacitors	Metallized Polypropylene	MKP	(Box)	PCMP 389	<ul style="list-style-type: none"> • High Frequency • High Current 	24
	Double Side Metallized Polypropylene	MMKP	(Box)	PCMP 384	<ul style="list-style-type: none"> • High Frequency • High Pulse • High Current 	25
	Metallized Polypropylene	MMKP	(Dipped)	PCMP 483	<ul style="list-style-type: none"> • High Frequency • High Pulse • High Current 	26
		MKP	(Dipped)	PCMP 489	<ul style="list-style-type: none"> • High Frequency • High Current 	27
PFC Input Capacitors	Metallized Polyester	MKT	(Dipped)	PCMT 362	• PFC Input	28
		MKP	(Dipped)	PCMP 472	• PFC Input	
		MKP	(Dipped)	PCMP 392	• PFC Input	29
		MKP	(Box)	PCMP 372	• PFC Input	
		MKP	(Box)	PCMP 352	• PFC Input	30
		MKP	(Dipped)	PCMP 473 (Round Shape)	• PFC Input	
AC Motor Run Capacitors	Metallized Polypropylene	MKP	(Box)	PCMP 371	• Motor Run	32
Power Electronic Capacitors	Metallized Polypropylene	MKP	(Box)	PCPW 225	<ul style="list-style-type: none"> • DC-Link • Switching Applications 	33
		MKP	(Box)	PCPW 245	<ul style="list-style-type: none"> • High performance DC-Link • Solar / Industrial Inverter application 	34
	Metallized Polyester	MKT	(Box)	PCPW 223	<ul style="list-style-type: none"> • Blocking • Coupling • Bypass • Filtering • Energy reservoir • Automotive 	35

PCMT 365/366/367										
Page 39										
										
Dielectric	metallized polyester									
Encapsulation	epoxy lacquered (dipped)									
Qualified to Approvals	IEC 60384-2									
Climatic category	55/105/56									
Packaging	loose ; taped									
Tolerance	± 5% ; ± 10%									
Capacitance(μF) (*)	V_{Rdc} (V)									
	63		100		250		400		630	
0.001										
0.0015										
0.0022										
0.0033										
0.0047										
0.0068										
0.01									5.08	7.62
0.015									5.08	7.62
0.022									5.08	7.62
0.033									5.08	7.62
0.047									5.08	7.62
0.068									5.08	7.62
0.1									5.08	7.62
0.15									5.08	7.62
0.22									5.08	7.62
0.33									5.08	7.62
0.47									5.08	7.62
0.68									5.08	7.62
1.0									5.08	7.62
1.5									5.08	7.62
2.2									5.08	7.62
3.3									5.08	7.62
4.7									5.08	7.62
6.8									5.08	7.62
10									5.08	7.62
15									5.08	7.62

(*) Intermediate values of E12 series are also available

Pitch size (mm) : 


		PCMT 369											
		Page 69											
													
Dielectric	metallized polyester												
Encapsulation	epoxy lacquered (dipped)												
Qualified to Approvals	IEC 60384-2												
Climatic category	55/105/56												
Packaging	loose ; taped												
Tolerance	± 5% ; ± 10%												
Capacitance(μF)	V _{Rdc} (V)												
(*)	100			250			400			630			
0.01													
0.012													
0.015													
0.018													
0.022													
0.027													
0.033													
0.039													
0.047													
0.056													
0.068													
0.082													
0.1													
0.12													
0.15													
0.18													
0.22													
0.27													
0.33													
0.39													
0.47													
0.56													
0.68													
0.82													
1.0													
1.2													
1.5													
1.8													
2.2													
2.7													
3.3													
3.9													
4.7													
5.6													
6.8													

(*) Intermediate values of E12 series are also available

Pitch size (mm) : 



Metallized Polyester

Selection Guide

		PCMT 468											
		Page 81											
													
Dielectric	metallized polyester												
Encapsulation	potted with epoxy resin												
Qualified to Approvals	IEC 60384-2												
Climatic category	55/105/56												
Packaging	loose ; taped												
Tolerance	± 5% ; ± 10%												
Capacitance(μF)	V _{Rdc} (V)												
(*)	100			250			400			630			
0.01													
0.012													
0.015													
0.018													
0.022													
0.027													
0.033													
0.039													
0.047													
0.056													
0.068													
0.082													
0.1													
0.12													
0.15													
0.18													
0.22													
0.27													
0.33													
0.39													
0.47													
0.56													
0.68													
0.82													
1.0													
1.2													
1.5													
1.8													
2.2													
2.7													
3.3													
3.9													
4.7													
5.6													
6.8													
8.2													
10													
12													



(*) Intermediate values of E24 series are also available

Pitch size (mm) :

	PCX2 339				PCX2 337			
	Page 97				Page 113			
								
Class	X2							
Dielectric	metallized polypropylene							
Encapsulation	potted with epoxy resin							
Qualified to Approvals	IEC 60384-14 (3rd edition) and EN 60384-14							
Climatic category	55/110/21 55/105/21				40/105/21 40/100/21			
tanδ (10kHz)	≤ 70 X 10 ⁻⁴				≤ 70 X 10 ⁻⁴			
Rins for C ≤ 330nF RC for C > 330nF	> 15 000 MΩ > 5 000 s				> 15 000 MΩ > 5 000 s			
Pulse slop at V _R	100 V/μs				100 V/μs			
Packaging	loose ; taped				loose ; taped			
Tolerance	± 10% ; ± 20%				± 10% ; ± 20%			
Capacitance(μF)	V _{Rac} (V)				V _{Rac} (V)			
(*)	305				275			
0.001								
0.0015								
0.0022								
0.0033								
0.0047								
0.0068								
0.01								
0.015								
0.022								
0.033								
0.047								
0.068								
0.1								
0.15								
0.22								
0.33								
0.47								
0.68								
1.0								
1.5								
2.2								
3.3								
4.7								
6.8								
10								

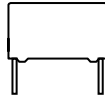
(*) Intermediate values of E6 series are also available


Pitch size (mm) : 


	PCX1 331				PCY2 130			
	Page 129				Page 137			
								
Class	X1				Y2			
Dielectric	metallized polypropylene							
Encapsulation	potted with epoxy resin							
Qualified to Approvals	IEC 60384-14 (3rd edition) and EN 60384-14							
Climatic category	55/105/21				55/105/21			
tanδ (10kHz)	≤ 70 X 10 ⁻⁴				≤ 20 X 10 ⁻⁴			
Rins for C ≤ 330nF RC for C > 330nF	> 15 000 MΩ > 5 000 s				> 15 000 MΩ > 5 000 s			
Pulse slop at V _R	100 V/μs				100 V/μs			
Packaging	loose ; taped				loose ; taped			
Tolerance	± 10% ; ± 20%				± 10% ; ± 20%			
Capacitance(μF) (*)	V _{Rac} (V)				V _{Rac} (V)			
	440				300			
0.001								
0.0015								
0.0022								
0.0033								
0.0047								
0.0068								
0.01								
0.015								
0.022								
0.033								
0.047								
0.068								
0.1								
0.15								
0.22								
0.33								
0.47								
0.68								
1.0								

(*) Intermediate values of E6 series are also available

Pitch size (mm) : 



		PCRC 420		
		Page 145		
				
Class		X2, RC unit		
Dielectric		metallized polypropylene		
Encapsulation		potted with epoxy resin		
Qualified to Approvals		IEC 60384-14		
Climatic category		40/085/21		
R_{ins} for C ≤ 1uF		> 30 000 MΩ		
Packaging		loose ; taped		
Tolerance		C-tol ; ± 20% & R-tol ; ± 10%		
		V_{Rdc} (V)		
		250		
Capacitance(μF)	Combinating Resistance(Ω)			
0.033	22	15.0		
	47			
	120			
0.047	22			
	47			
	120			
0.068	22			
	47			
	120			
0.1	22			
	47			
	120			
0.15	22		17.5	
	47			
	120			
0.22	22			
	47			
	120			

Pitch size (mm) : 

	PCX2 347		
	Page 155		
			
Class	X2		
Dielectric	metallized polyester		
Encapsulation	potted with epoxy resin		
Qualified to Approvals	IEC 60384-14 (3rd edition) and UL60384-14		
Climatic category	55/110/56		
tanδ (10kHz)	≤ 150 X 10 ⁻⁴		
Rins for C ≤ 330nF RC for C > 330nF	> 15 000 MΩ > 5 000 s		
Pulse slop at V_R	100 V/μs		
Packaging	loose ; taped		
Tolerance	± 10% ; ± 20%		
Capacitance(μF) (*)	V_{Rac} (V)		
	310		
0.1	15.0		
0.15			
0.22			
0.33		22.5	
0.47			
0.68			27.5
1.0			
1.5			
2.2			


(*) Intermediate values of E6 series are also available

Pitch size (mm) : 

		PCMP 389										
		Page 163										
												
Dielectric		metallized polypropylene										
Encapsulation		potted with epoxy resin										
Qualified to Approvals		IEC 60384-17										
Climatic category		55/105/56										
Packaging		loose ; taped										
Tolerance		± 5%										
Capacitance(μF) (*)		V_{Rdc} (V)										
		250			400			630			1600V	2000V
0.0082												
0.0010												
0.0022												
0.0039												
0.0047												
0.0056												
0.0068												
0.0082												
0.01												
0.012												
0.015												
0.018												
0.022												
0.027												
0.033												
0.039												
0.047												
0.056												
0.068												
0.082												
0.1												
0.12												
0.15												
0.18												
0.22												
0.27												
0.33												
0.39												
0.47												
0.56												
0.68												
0.82												
1.0												
1.2												
1.5												
1.8												
2.2												
2.7												
3.3												
3.9												

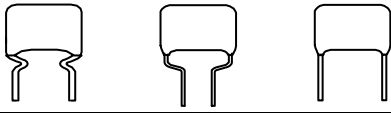
(*) Intermediate values of E24 series are also available

Pitch size (mm) : 

PCMP 384										
Page 183										
										
Dielectric	double side polyester carrier and polypropylene									
Encapsulation	potted with epoxy resin									
Qualified to Approvals	IEC 60384-17 / 16									
Climatic category	55/105/56									
Packaging	loose ; taped									
Tolerance	± 5% ; ± 10%									
Capacitance(μF)	V _{Rdc} (V)									
	250	400	630 (250V _{Rac})	630 (400V _{Rac})	800	1000	1250	1600	2000 (680V _{Rac})	2000 (700V _{Rac})
0.00022										
0.00047										
0.00068										
0.00082										
0.001										
0.0018										
0.0022										
0.0033										
0.0039										
0.0047										
0.0056										
0.0068										
0.0082										
0.01										
0.012										
0.015										
0.018										
0.022										
0.027										
0.033										
0.039										
0.047										
0.056										
0.068										
0.082										
0.1										
0.12										
0.15										
0.18										
0.22										
0.27										
0.33										
0.39										
0.47										
0.56										
0.68										
0.82										

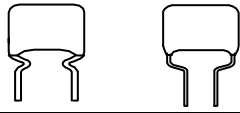
(*) Intermediate values of E24 series are also available

Pitch size (mm) : 

		PCMP 483					
		Page 209					
							
Dielectric	metallized polypropylene						
Encapsulation	epoxy lacquered (dipped)						
Qualified to Approvals	IEC 60384-16						
Climatic category	40/105/21						
Packaging	loose ; taped						
Tolerance	± 5% ; ± 10%						
Capacitance(μF)	V _{Rdc} (V)						
(*)	250	400	630	800	1000	1250	
0.001							
0.0018							
0.0022							
0.0033							
0.0039							
0.0047							
0.0056							
0.0068							
0.0082							
0.01							
0.012							
0.015							
0.018							
0.022							
0.027							
0.033							
0.039							
0.047							
0.056							
0.068							
0.082							
0.1							

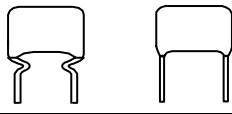
(*) Intermediate values of E24 series are also available

Pitch size (mm) : 

		PCMP 489								
		Page 221								
										
Dielectric	metallized polypropylene									
Encapsulation	epoxy lacquered (dipped)									
Qualified to Approvals	IEC 60384-16									
Climatic category	40/105/21									
Packaging	loose ; taped									
Tolerance	± 5%									
Capacitance(μF)	V _{Rdc} (V)									
(*)	250			400			630			
0.01										
0.012										
0.015										
0.018										
0.022										
0.027										
0.033										
0.039										
0.047										
0.056										
0.068										
0.082										
0.1										
0.12										
0.15										
0.18										
0.22										
0.27										
0.33										
0.39										
0.47										
0.56										
0.68										
0.82										
1.0										

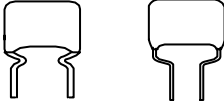
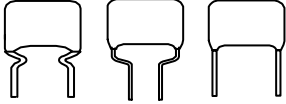
(*) Intermediate values of E24 series are also available

Pitch size (mm) :

	PCMT 362		
	Page 231		
			
Dielectric	Metalized polyester		
Encapsulation	epoxy lacquered (dipped)		
Qualified to Approvals	IEC 60384-2		
Climatic category	40/110/21		
Packaging	loose ; taped		
Tolerance	± 10%		
Capacitance(μF)	V_{Rdc} (V)		
(*)	450		
0.18	10.0		
0.22			
0.27			
0.33			
0.39			
0.47			
0.56		15.0	
0.68			
0.82			
1.0			



(*) Intermediate values of E12 series are also available

Pitch size (mm) : 

	PCMP 472				PCMP 392					
	Page 239				Page 247					
										
Dielectric	metalized polypropylene				metalized polypropylene					
Encapsulation	epoxy lacquered (dipped)				epoxy lacquered (dipped)					
Qualified to Approvals	IEC 60384-16				IEC 60384-16					
Climatic category	40/105/21				40/105/21					
Packaging	loose ; taped				loose ; taped					
Tolerance	± 5% ; ± 10%				± 5% ; ± 10%					
Capacitance(μF)	V _{Rdc} (V)				V _{Rdc} (V)					
(*)	450 mini		500 mini		550		630		450	
0.18										
0.22										
0.27										
0.33										
0.39										
0.47	15.0		15.0		15.0	15.0		10.0		15.0
0.56							22.5			
0.68	22.5		22.5			22.5		10.0		15.0
0.82							27.5			
1.0	22.5		22.5					10.0		15.0
1.2										
1.5	22.5		22.5					10.0		15.0
1.8										
2.2	22.5		22.5					10.0		15.0

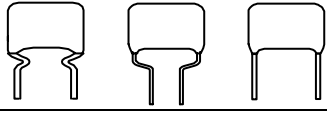
(*) Intermediate values of E6/E12 series are also available

Pitch size (mm) : 

	PCMP 372				PCMP 352	
	Page 255				Page 263	
						
Dielectric	metalized polypropylene				metalized polypropylene	
Encapsulation	potted with epoxy resin				potted with epoxy resin	
Qualified to Approvals	IEC 60384-16				IEC 60384-16	
Climatic category	40/105/21				40/105/21	
Packaging	loose ; taped				loose ; taped	
Tolerance	± 5% ; ± 10%				± 5% ; ± 10%	
Capacitance(μF) (*)	V _{Rdc} (V)				V _{Rdc} (V)	
	450 mini	500 mini	550	630	450	
0.022						
0.033						
0.047						
0.068						
0.082						
0.1	10.0	10.0		10.0		
0.15						
0.22	10.0	10.0				
0.33						10.0
0.47			15.0		15.0	
0.56						
0.68		15.0			22.5	
0.82						
1.0		22.5				
1.2						
1.5						
2.2			27.5		27.5	
3.3						15.0

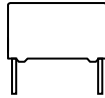
(*) Intermediate values of E6 series are also available

Pitch size (mm) : 


		PCMP 473	
		Page 273	
			
Dielectric	metalized polypropylene		
Encapsulation	epoxy lacquered (dipped)		
Qualified to Approvals	IEC 60384-16		
Climatic category	40/105/21		
Packaging	loose		
Tolerance	± 5% ; ± 10%		
Capacitance(μF)	V_{Rdc} (V)		
(*)	300		450 / 500
0.68			15.0
0.82			
1.0	15.0		
1.2			
1.5			
2.2			
3.3		22.5	

(*) Intermediate values of E12 series are also available


Pitch size (mm) :


	PCMP 371											
	Page 283											
												
Dielectric	polypropylene film											
Encapsulation	potted with epoxy resin											
Qualified to Approvals	KSC 4805											
Climatic category	25/070/21											
R_{ins} for C ≤ 1uF RC for C > 1uF	> 30 000 MΩ > 10 000 s											
Packaging	loose ; taped											
Tolerance	± 5% ; ± 10%											
Capacitance(μF)	V_{Rac} (V)											
(*)	250		300		350		400		450		600	
0.1												
0.2												
0.3												
0.4												
0.5												
0.8												
1.0												
(1.2)												
1.5												
2.0												
2.5												
3.0												
3.5												
4.0												
5.0												
6.0												


Pitch size (mm) : 

PCPW 225				
Page 297				
				
Dielectric	metalized polypropylene			
Encapsulation	potted with epoxy resin			
Qualified to Approvals	IEC 60384-16 / IEC 61071			
Climatic category	40/105/56			
Packaging	loose			
Tolerance	± 10%			
Capacitance(μF)	V_{Rdc} (V)			
	250 mini	450 mini	630 mini	850 mini
1.0	27.5	27.5	27.5	27.5
1.5				
2.0				
2.2				
3.0				
3.3				
3.9				
4.7				
5.0				
5.6				
6.8				
8.0				
10				

Pitch size (mm) : 

		PCPW 245							
		Page 305							
									
Dielectric	metallized polypropylene								
Encapsulation	potted with epoxy resin								
Qualified to Approvals	IEC 60384-16 / IEC 61071								
Climatic category	40/105/56								
Packaging	Loose ; Arrange								
Tolerance	± 5% ; ± 10%								
Capacitance(μF)	V _{Rdc} (V)								
	450		700		900		1100		
	2-pin	4-pin	2-pin	4-pin	2-pin	4-pin	2-pin	4-pin	
1.5									
2									
3									
5									
8									
10									
12									
15									
18									
20									
22									
25									
30									
35									
40									
45									
50									
55									
60									
75									
100									
110									

Pitch size (mm) : 

	PCPW 223		
	Page 315		
			
Dielectric	metalized polyester		
Encapsulation	potted with epoxy resin		
Qualified to Approvals	IEC 60384-2		
Climatic category	40/105/21		
Packaging	loose		
Tolerance	± 10%		
Capacitance(μF)	V_{Rdc} (V)		
	35		
4.7	15.0		
5.6			
6.8			
8.2			
9.4			
19.0		20.0	22.5
22.0			