
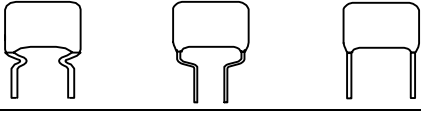


Dielectric		Style		Type	Application	Page
General Purpose capacitors	Metallized Polyester	MKT	(Dipped)	PCMT 365/366/367	<ul style="list-style-type: none"> <li>• Blocking</li> <li>• Coupling</li> <li>• Bypass</li> <li>• Energy reservoir</li> </ul>	17
				PCMT 369		18
		(Box)	PCMT 468	19		
Interference Suppression capacitors	Metallized Polypropylene	MKP	(Box)	PCX2 339 (MINI) (X2)	<ul style="list-style-type: none"> <li>• SMPS</li> <li>• EMI Filters</li> <li>• E – Ballast</li> <li>• Dom. Appliance</li> </ul>	20
				PCX2 339 (X2)		
				PCX2 337 (MINI) (X2)		
				PCX2 337 (X2)		
				PCX2 335M (X2)	<ul style="list-style-type: none"> <li>• TV</li> <li>• Monitor</li> </ul>	21
				PCX1 331 (X1)	<ul style="list-style-type: none"> <li>• Industrial</li> </ul>	
				PCY2 130 (Y2)	<ul style="list-style-type: none"> <li>• SMPS</li> <li>• EMI Filters</li> </ul>	
			PCRC 420 (RC Unit)	<ul style="list-style-type: none"> <li>• Noise Suppressor</li> <li>• Spark Quenching</li> </ul>	22	
AC&Pulse Capacitors	Metallized Polypropylene	MKP	(Box)	PCMP 389	<ul style="list-style-type: none"> <li>• High Frequency</li> <li>• High Current</li> </ul>	23
	Double Side Metallized Polypropylene	MMKP	(Box)	PCMP 384	<ul style="list-style-type: none"> <li>• High Frequency</li> <li>• High Pulse</li> <li>• High Current</li> </ul>	24
	Metallized Polypropylene	MMKP	(Dipped)	PCMP 483	<ul style="list-style-type: none"> <li>• High Frequency</li> <li>• High Pulse</li> <li>• High Current</li> </ul>	25
	Metallized Polypropylene	MKP	(Dipped)	PCMP 489	<ul style="list-style-type: none"> <li>• High Frequency</li> <li>• High Current</li> </ul>	26
PFC Input Capacitors	Metallized Polyester	MKT	(Dipped)	PCMT 362	<ul style="list-style-type: none"> <li>• PFC Input</li> </ul>	27
	Metallized Polypropylene	MKP	(Dipped)	PCMP 472	<ul style="list-style-type: none"> <li>• PFC Input</li> </ul>	27
	Metallized Polypropylene	MKP	(Box)	PCMP 372	<ul style="list-style-type: none"> <li>• PFC Input</li> </ul>	28
Motor Run Capacitors	Metallized Polypropylene	MKP	(Box)	PCMP 371	<ul style="list-style-type: none"> <li>• Motor Run</li> </ul>	29
Power Electronic Capacitors	Metallized Polypropylene	MKP	(Box)	PCPW 225	<ul style="list-style-type: none"> <li>• DC-Link</li> <li>• Switching Applications</li> </ul>	30

		PCMT 365/366/367									
		Page 33									
											
Dielectric	metallized polyester										
Encapsulation	epoxy lacquered (dipped)										
Qualified to	IEC 60384-2										
Climatic category	55/105/56										
Packaging	loose ; taped										
Tolerance	± 5% ; ± 10%										
Capacitance(μF)	V <sub>Rdc</sub> ( V )										
( * )	63		100		250		400		630		
n 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											
15											


( \* ) Intermediate values of E12 series are also available

Pitch size (mm) : 


		PCMT 369											
		Page 63											
													
Dielectric	metallized polyester												
Encapsulation	epoxy lacquered (dipped)												
Qualified to	IEC 60384-2												
Climatic category	55/105/56												
Packaging	loose ; taped												
Tolerance	± 5% ; ± 10%												
Capacitance(μF)	V <sub>Rdc</sub> ( 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) : 

		PCMT 468											
		Page 75											
													
Dielectric	metallized polyester												
Encapsulation	potted with epoxy resin												
Qualified to	IEC 60384-2												
Climatic category	55/105/56												
Packaging	loose ; taped												
Tolerance	± 5% ; ± 10%												
Capacitance(μF)	V <sub>Rdc</sub> ( 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	PCX2 335 M
	Page 93	Page 109	Page 125
			
<b>Class</b>	<b>X2</b>		
<b>Dielectric</b>	metallized polypropylene		
<b>Encapsulation</b>	potted with epoxy resin		
<b>Qualified to</b>	IEC 60384-14 (3rd edition) and EN 60384-14		
<b>Approvals</b>			
<b>Climatic category</b>	55/110/21 55/105/21	40/105/21 40/100/21	40/100/21
<b>tan (10kHz)</b>	70 X 10 <sup>-4</sup>	70 X 10 <sup>-4</sup>	70 X 10 <sup>-4</sup>
<b>Rins for C 330nF</b>	> 15 000 MΩ	> 15 000 MΩ	> 30 000 MΩ
<b>RC for C &gt; 330nF</b>	> 5 000 s	> 5 000 s	> 10 000 s
<b>Pulse slop at V<sub>R</sub></b>	100 V/μs	100 V/μs	100 V/μs
<b>Packaging</b>	loose ; taped	loose ; taped	loose ; taped
<b>Tolerance</b>	± 10% ; ± 20%	± 10% ; ± 20%	± 10% ; ± 20%
<b>Capacitance(μF)</b>	<b>V<sub>Rac</sub> ( V )</b>	<b>V<sub>Rac</sub> ( V )</b>	<b>V<sub>Rac</sub> ( V )</b>
<b>( * )</b>	<b>305</b>	<b>275</b>	<b>275</b>
0.001	10.0		
0.0015			
0.0022			
0.0033			
0.0047			
0.0068			
0.01			
0.015			
0.022			
0.033			
0.047	15.0		
0.068			
0.1			
0.15			
0.22			
0.33			
0.47			
0.68			
1.0			
1.5			
2.2			
3.3			

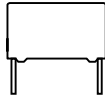
( \* ) Intermediate values of E6 series are also available

Pitch size (mm) : 


	PCX1 331				PCY2 130			
	Page 133				Page 141			
								
Class	X1				Y2			
Dielectric	metallized polypropylene							
Encapsulation	potted with epoxy resin							
Qualified to	IEC 60384-14 (3rd edition) and EN 60384-14							
Approvals								
Climatic category	55/105/21				55/105/21			
tan (10kHz)	70 X 10 <sup>-4</sup>				20 X 10 <sup>-4</sup>			
Rins for C < 330nF	> 15 000 MΩ				> 15 000 MΩ			
RC for C > 330nF	> 5 000 s				> 5 000 s			
Pulse slop at V <sub>R</sub>	100 V/μs				100 V/μs			
Packaging	loose ; taped				loose ; taped			
Tolerance	± 10% ; ± 20%				± 10% ; ± 20%			
Capacitance(μF)	V <sub>Rac</sub> ( V )				V <sub>Rac</sub> ( V )			
	440				300			
( * )								
0.001								
0.0015								
0.0022								
0.0033								
0.0047								
0.0068								
0.01						10.0		
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) : 

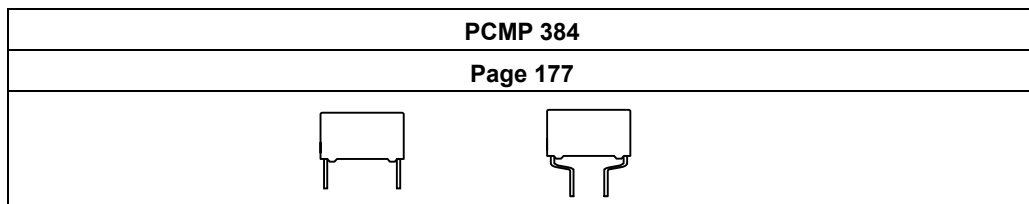
		<b>PCRC 420</b>	
		Page 149	
			
<b>Class</b>		<b>X2, RC unit</b>	
<b>Dielectric</b>		<b>metallized polypropylene</b>	
<b>Encapsulation</b>		<b>potted with epoxy resin</b>	
<b>Qualified to</b>		<b>IEC 60384-14</b>	
<b>Climatic category</b>		<b>40/085/21</b>	
<b>R<sub>ins</sub> for C 1uF</b>		<b>&gt; 30 000 MΩ</b>	
<b>Packaging</b>		<b>loose ; taped</b>	
<b>Tolerance</b>		<b>C-tol ; ± 20% &amp; R-tol ; ± 10%</b>	
<b>Capacitance(μF)</b>	<b>Combinating Resistance( )</b>	<b>V<sub>Rdc</sub> ( V )</b>	
		<b>250</b>	
<b>0.033</b>	<b>22</b>	<b>15.0</b>	
	<b>47</b>		
	<b>120</b>		
<b>0.047</b>	<b>22</b>		
	<b>47</b>		
	<b>120</b>		
<b>0.068</b>	<b>22</b>		
	<b>47</b>		
	<b>120</b>		
<b>0.1</b>	<b>22</b>		
	<b>47</b>		
	<b>120</b>		
<b>0.15</b>	<b>22</b>		
	<b>47</b>		
	<b>120</b>		
<b>0.22</b>	<b>22</b>		
	<b>47</b>		
	<b>120</b>	<b>17.5</b>	

Pitch size (mm) : 

		PCMP 389											
		Page 161											
													
Dielectric		metalized polypropylene											
Encapsulation		potted with epoxy resin											
Qualified to		IEC 60384-17											
Climatic category		55/105/56											
Packaging		loose ; taped											
Tolerance		± 5%											
Capacitance(μF)		V <sub>Rdc</sub> ( 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													
1.2													
1.5													
1.8													
2.2													
2.7													
3.3													
3.9													

(\*) Intermediate values of E24 series are also available

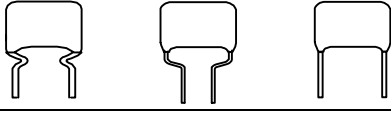
Pitch size (mm) : 




Dielectric	double side polyester carrier and polypropylene										
Encapsulation	potted with epoxy resin										
Qualified to	IEC 60384-17 / 16										
Climatic category	55/105/56										
Packaging	loose ; taped										
Tolerance	± 5%										
Capacitance(μF)	V <sub>Rdc</sub> ( V )										
(*)	250	400	630 (250V <sub>Rac</sub> )	630 (400V <sub>Rac</sub> )	800	1000	1250	1600	2000 (680V <sub>Rac</sub> )	2000 (700V <sub>Rac</sub> )	2500
n nn1											
0.0018											
0.0022											
0.0033											
0.0039											
0.0047											
0.0056				10.0		10.0					
0.0068											
0.0082											
0.01	10.0										
0.012											
0.015											
0.018											
0.022		10.0									
0.027											
0.033	10.0										
0.039											
0.047											
0.056											
0.068											
0.082											
0.1		15.0									
0.12											
0.15											
0.18											
0.22											
0.27											
0.33											
0.39											
0.47											
0.56											
0.68											
0.82											

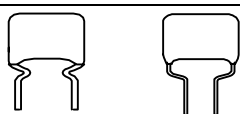
(\*) Intermediate values of E24 series are also available

Pitch size (mm) :


		PCMP 483					
		Page 203					
							
Dielectric	metalized polypropylene						
Encapsulation	epoxy lacquered (dipped)						
Qualified to	IEC 60384-16						
Climatic category	40/105/21						
Packaging	loose ; taped						
Tolerance	± 5% ; ± 10%						
Capacitance(μF)	V <sub>Rdc</sub> ( V )						
( * )	250	400	630	800	1000	1250	
0.0056							
0.0068							
0.0082							
0.01	12.5	12.5	12.5				
0.012							
0.015							
0.018							
0.022				15.0	15.0	15.0	
0.027							
0.033		15.0					
0.039							
0.047							
0.056							
0.068							
0.082							
0.1							

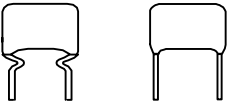
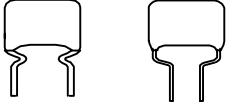
( \* ) Intermediate values of E24 series are also available

Pitch size (mm) : 

		PCMP 489								
		Page 215								
										
Dielectric	metalized polypropylene									
Encapsulation	epoxy lacquered (dipped)									
Qualified to	IEC 60384-16									
Climatic category	40/105/21									
Packaging	loose ; taped									
Tolerance	± 5%									
Capacitance(μF)	V <sub>Rdc</sub> ( 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		PCMP 472				
	Page 225		Page 233				
							
Dielectric	Metalized polyester		metalized polypropylene				
Encapsulation	epoxy lacquered (dipped)		epoxy lacquered (dipped)				
Qualified to	IEC 60384-2		IEC 60384-16				
Climatic category	40/110/21		40/105/21				
Packaging	loose ; taped		loose ; taped				
Tolerance	± 10%		± 5% ; ± 10%				
Capacitance(μF)	V <sub>Rdc</sub> ( V )		V <sub>Rdc</sub> ( V )				
( * )	450		450	500	550	630	
0.47	10.0	15.0	15.0	15.0	15.0	22.5	27.5
0.56							
0.68							
0.82							
1.0							
1.2							
1.5			22.5				
1.8						27.5	
2.2							

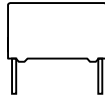
( \* ) Intermediate values of E6/E12 series are also available

Pitch size (mm) : 


		PCMP 372					
		Page 241					
							
Dielectric	metalized polypropylene						
Encapsulation	potted with epoxy resin						
Qualified to	IEC 60384-16						
Climatic category	40/105/21						
Packaging	loose ; taped						
Tolerance	± 5% ; ± 10%						
Capacitance(μF)	V <sub>Rdc</sub> ( V )						
( * )	450		550		630		
0.47	15.0		15.0		15.0	22.5	
0.56							
0.68							
0.82			22.5				
1.0		22.5				27.5	
1.2							
1.5							
1.8							
2.2							

( \* ) Intermediate values of E6 series are also available

Pitch size (mm) : 

	<b>PCMP 371</b>											
	<b>Page 251</b>											
												
<b>Dielectric</b>	polypropylene film											
<b>Encapsulation</b>	potted with epoxy resin											
<b>Qualified to</b>	KSC 4805											
<b>Climatic category</b>	25/070/21											
<b>R<sub>ins</sub> for C ≤ 1uF</b> <b>RC for C &gt; 1uF</b>	> 30 000 MΩ > 10 000 s											
<b>Packaging</b>	loose ; taped											
<b>Tolerance</b>	± 5% ; ± 10%											
<b>Capacitance(μF)</b>	<b>V<sub>Rac</sub> ( V )</b>											
<b>(*)</b>	<b>250</b>		<b>300</b>		<b>350</b>		<b>400</b>		<b>450</b>		<b>600</b>	
<b>0.1</b>												22.5
<b>0.2</b>									22.5			
<b>0.3</b>							22.5			22.5		
<b>0.4</b>								22.5				
<b>0.5</b>			22.5		22.5							27.5
<b>0.8</b>												
<b>1.0</b>	22.5											
<b>(1.2)</b>											27.5	
<b>1.5</b>												
<b>2.0</b>												
<b>2.5</b>												
<b>3.0</b>												
<b>3.5</b>												
<b>4.0</b>												
<b>5.0</b>												
<b>6.0</b>												

Pitch size (mm) : 

		PCPW 225											
		Page 265											
													
Dielectric	metalized polypropylene												
Encapsulation	potted with epoxy resin												
Qualified to	IEC 60384-16 / IEC 61071												
Climatic category	40/105/56												
Packaging	loose												
Tolerance	± 10%												
Capacitance(μF)	V <sub>Rdc</sub> ( V )												
	250			450			630			850			
1.0	27.5									27.5			
1.5	27.5									27.5			
2.0	27.5									27.5			
2.2	27.5									27.5			
3.0	27.5									27.5			
3.3	27.5									27.5			
3.9	27.5									27.5			
4.7	27.5									27.5			
5.6	27.5									27.5			
6.8	27.5									27.5			
8.0	27.5									27.5			
10	27.5									27.5			
15	37.5			37.5			37.5			37.5			
20	37.5			37.5			37.5			37.5			
25	37.5			37.5			37.5			37.5			
30	37.5			37.5			37.5			37.5			
40	37.5			37.5			37.5			37.5			
50	37.5			37.5			37.5			37.5			
60	37.5			37.5			37.5			37.5			
70	37.5			37.5			37.5			37.5			

Pitch size (mm) : 