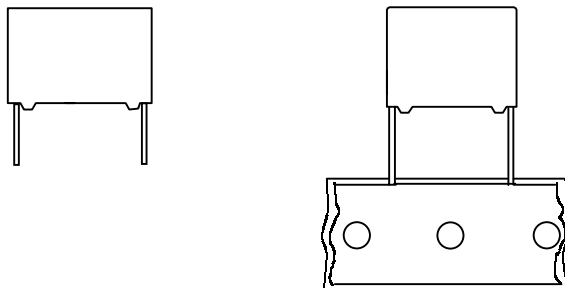


**AC and Pulse
Double Side Metallized Polypropylene film Capacitors**

PCMP 384

MMKP RADIAL POTTED CAPACITORS

**Pitch 10.0/15.0/22.5mm
(reduced pitch 7.5mm)**



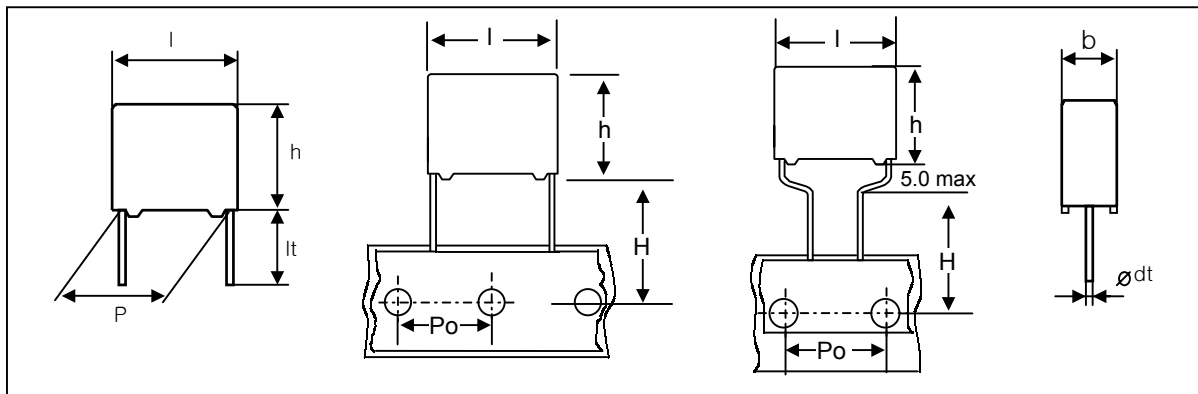
QUICK REFERENCE DATA

Capacitance range (E24 series)	0.001 to 1.0 μ F
Capacitance tolerance	\pm 5%
Rated voltage (DC)	250 V, 400 V, 630 V, 1000 V, 1600 V, 2000 V, 2500 V
Rated voltage (AC)	125 V, 220 V, 250 V, 400 V, 450 V, 550 V, 600 V, 700 V, 900 V
Rated peak-to-peak voltage	350 V, 560 V, 630 V, 1000 V, 1600 V, 2000 V, 2500 V
Climatic category	55/105/56
Rated temperature	85 $^{\circ}$ C
Maximum application temperature	105 $^{\circ}$ C
Reference specification	IEC 60384-17

<p>FEATURES</p> <ul style="list-style-type: none"> . Low contact resistance . Low loss dielectric . Small dimension for high density packaging . Supplied loose in box and ammo pack 	<p>APPLICATIONS</p> <ul style="list-style-type: none"> . Electronic lighting e.g. Ballast . S-correction, Fly-back circuit in television receivers . UPS, Inverters and Power, Semi-conductor application
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AC and Pulse Double Side Metallized Polypropylene film Capacitors

Ordering Information



PCMP 384

Type series

X X XXX

Capacitance

Code	Voltage
4	250V
5	400V
6	630V
C	630V mini
1	630V (400Vac)
7	1000V
D	1000V mini
8	1600V
9	2000V
2	2000V(700Vac)
0	2500V

Available versions					Product (I _{max})			
Code	Packing method	C-tol.	Lead length & Height	Hole to hole (P _o)	12.5	18.0	26.0	31.0
					Pitch (P)			
2	Loose in box	±5%	lt = 5.0±1.0mm	-	10.0	15.0	22.5	27.5
3	Loose in box	±5%	lt = 25.0±2.0mm	-	10.0	15.0	22.5	27.5
1	Loose in box	±5%	lt = 3.2±0.3mm	-	10.0	15.0	22.5	27.5
8	Loose in box	±3.5%	lt = 5.0±1.0mm	-	10.0	15.0	22.5	27.5
M	Loose in box	±5%	lt = 5.0±1.0mm	-	Multisize			
4	Ammo packing	±5%	H=18.5mm	15.0mm	10.0	15.0	22.5	27.5
5	Ammo packing	±5%	H=18.5mm	12.7mm	10.0	15.0	22.5	27.5
A	Ammo packing	±5%	H=16.0mm	15.0mm	-	7.5(*)	-	-
B	Reel packing	±5%	H=16.0mm	15.0mm	-	7.5(*)	-	-

* Reduced pitch (Reduced lead spacings)

AC and Pulse Double Side Metallized Polypropylene film Capacitors

Packaging Information

SMALLEST PACKING QUANTITIES (SPQ)	Loose in box	Ammo packing
	It = 5.0±1.0mm	H=16.0mm
DIMENSIONS	SPQ	SPQ
4.0 x 10.0 x 12.5	2000	
5.0 x 11.0 x 12.5	1500	-
6.0 x 12.0 x 12.5	1000	
5.0 x 11.0 x 18.0	1000	560
6.0 x 12.0 x 18.0	1000	460
7.0 x 13.5 x 18.0	1000	400
8.5 x 15.0 x 18.0	1000	340
10.0 x 16.5 x 18.0	1000	280
6.0 x 15.5 x 26.0	1000	
7.0 x 16.5 x 26.0	1000	
8.5 x 18.0 x 26.0	500	-
10.0 x 19.5 x 26.0	500	
12.5 x 22.5 x 26.0	500	
11.0 X 21.0 X 31.0	500	
13.0 X 23.0 X 31.0	250	
15.0 X 25.0 X 31.0	250	-
18.0 X 28.0 X 31.0	200	

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 250 V$		$V_{Rac} = 125 V$		$V_{p-p} = 350 V$	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER			
		PCMP 384			
		loose in box		ammo packing	
		It = 5.0 \pm 1.0 mm		H = 18.5 mm	
		C - tol. \pm 5 %		C - tol. \pm 5 %	
Pitch = 15.0 \pm 0.4 mm dt = 0.8 +0.08/-0.05 mm					
0.068 0.075 0.082 0.091 0.10	5.0 x 11.0 x 18.0	PCMP 384 42683 PCMP 384 42753 PCMP 384 42823 PCMP 384 42913 PCMP 384 42104	PCMP 384 45683 PCMP 384 45753 PCMP 384 45823 PCMP 384 45913 PCMP 384 45104		
0.11 0.12 0.13 0.15	6.0 x 12.0 x 18.0	PCMP 384 42114 PCMP 384 42124 PCMP 384 42134 PCMP 384 42154	PCMP 384 45114 PCMP 384 45124 PCMP 384 45134 PCMP 384 45154		
0.16 0.18 0.20	7.0 x 13.5 x 18.0	PCMP 384 42164 PCMP 384 42184 PCMP 384 42204	PCMP 384 45164 PCMP 384 45184 PCMP 384 45204		
0.22 0.24 0.27 0.30	8.5 x 15.0 x 18.0	PCMP 384 42224 PCMP 384 42244 PCMP 384 42274 PCMP 384 42304	PCMP 384 45224 PCMP 384 45244 PCMP 384 45274 PCMP 384 45304		
0.33	10.0 x 16.5 x 18.0	PCMP 384 42334	PCMP 384 45334		
Pitch = 22.5 \pm 0.4 mm dt = 0.8 +0.08/-0.05 mm					
0.36 0.39 0.43	7.0 x 16.5 x 26.0	PCMP 384 42364 PCMP 384 42394 PCMP 384 42434	PCMP 384 45364 PCMP 384 45394 PCMP 384 45434		
0.47 0.51 0.56 0.62	8.5 x 18.0 x 26.0	PCMP 384 42474 PCMP 384 42514 PCMP 384 42564 PCMP 384 42624	PCMP 384 45474 PCMP 384 45514 PCMP 384 45564 PCMP 384 45624		
0.68 0.75 0.82	10.0 x 19.5 x 26.0	PCMP 384 42684 PCMP 384 42754 PCMP 384 42824	PCMP 384 45684 PCMP 384 45754 PCMP 384 45824		
0.91 1.0	12.5 x 22.5 x 26.0	PCMP 384 42914 PCMP 384 42105	PCMP 384 45914 PCMP 384 45105		

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 400 V$	$V_{Rac} = 220 V$	$V_{p-p} = 560 V$	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER	
		PCMP 384	
		loose in box	ammo packing
		lt = 5.0 \pm 1.0 mm	H = 18.5 mm
		C - tol. \pm 5 %	C - tol. \pm 5 %
Pitch = 15.0 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.036 0.039 0.043 0.047 0.051 0.056	5.0 x 11.0 x 18.0	PCMP 384 52363 PCMP 384 52393 PCMP 384 52433 PCMP 384 52473 PCMP 384 52513 PCMP 384 52563	PCMP 384 55363 PCMP 384 55393 PCMP 384 55433 PCMP 384 55473 PCMP 384 55513 PCMP 384 55563
0.062 0.068 0.075 0.082	6.0 x 12.0 x 18.0	PCMP 384 52623 PCMP 384 52683 PCMP 384 52753 PCMP 384 52823	PCMP 384 55623 PCMP 384 55683 PCMP 384 55753 PCMP 384 55823
0.091 0.10 0.11	7.0 x 13.5 x 18.0	PCMP 384 52913 PCMP 384 52104 PCMP 384 52114	PCMP 384 55913 PCMP 384 55104 PCMP 384 55114
0.12 0.13 0.15 0.16	8.5 x 15.0 x 18.0	PCMP 384 52124 PCMP 384 52134 PCMP 384 52154 PCMP 384 52164	PCMP 384 55124 PCMP 384 55134 PCMP 384 55154 PCMP 384 55164
0.18 0.20 0.22	10.0 x 16.5 x 18.0	PCMP 384 52184 PCMP 384 52204 PCMP 384 52224	PCMP 384 55184 PCMP 384 55204 PCMP 384 55224
Pitch = 22.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.22 0.24	7.0 x 16.5 x 26.0	PCMP 384 5M224 PCMP 384 52244	- PCMP 384 55244
0.27 0.30 0.33	8.5 x 18.0 x 26.0	PCMP 384 52274 PCMP 384 52304 PCMP 384 52334	PCMP 384 55274 PCMP 384 55304 PCMP 384 55334
0.36 0.39 0.43 0.47	10.0 x 19.5 x 26.0	PCMP 384 52364 PCMP 384 52394 PCMP 384 52434 PCMP 384 52474	PCMP 384 55364 PCMP 384 55394 PCMP 384 55434 PCMP 384 55474

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 630 V$	$V_{Rac} = 250 V$	$V_{p-p} = 630 V$	Mini Type
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER	
		PCMP 384	
		loose in box	ammo packing
		lt = 5.0 \pm 1.0 mm	H = 18.5 mm
		C - tol. \pm 5 %	C - tol. \pm 5 %
Pitch = 15.0 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.010 0.011 0.012 0.013 0.015 0.016 0.018 0.020 0.022 0.024 0.027 0.030 0.033 0.036	5.0 x 11.0 x 18.0	PCMP 384 C2103 PCMP 384 C2113 PCMP 384 C2123 PCMP 384 C2133 PCMP 384 C2153 PCMP 384 C2163 PCMP 384 C2183 PCMP 384 C2203 PCMP 384 C2223 PCMP 384 C2243 PCMP 384 C2273 PCMP 384 C2303 PCMP 384 C2333 PCMP 384 C2363	PCMP 384 C5103 PCMP 384 C5113 PCMP 384 C5123 PCMP 384 C5133 PCMP 384 C5153 PCMP 384 C5163 PCMP 384 C5183 PCMP 384 C5203 PCMP 384 C5223 PCMP 384 C5243 PCMP 384 C5273 PCMP 384 C5303 PCMP 384 C5333 PCMP 384 C5363
0.039 0.043 0.047 0.051 0.056	6.0 x 12.0 x 18.0	PCMP 384 C2393 PCMP 384 C2433 PCMP 384 C2473 PCMP 384 C2513 PCMP 384 C2563	PCMP 384 C5393 PCMP 384 C5433 PCMP 384 C5473 PCMP 384 C5513 PCMP 384 C5563
0.062 0.068 0.075	7.0 x 13.5 x 18.0	PCMP 384 C2623 PCMP 384 C2683 PCMP 384 C2753	PCMP 384 C5623 PCMP 384 C5683 PCMP 384 C5753
0.082 0.091 0.10 0.11	8.5 x 15.0 x 18.0	PCMP 384 C2823 PCMP 384 C2913 PCMP 384 C2104 PCMP 384 C2114	PCMP 384 C5823 PCMP 384 C5913 PCMP 384 C5104 PCMP 384 C5114
0.12 0.13 0.15	10.0 x 16.5 x 18.0	PCMP 384 C2124 PCMP 384 C2134 PCMP 384 C2154	PCMP 384 C5124 PCMP 384 C5134 PCMP 384 C5154
Pitch = 22.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.16 0.18 0.20 0.22	8.5 x 18.0 x 26.0	PCMP 384 C2164 PCMP 384 C2184 PCMP 384 C2204 PCMP 384 C2224	PCMP 384 C5164 PCMP 384 C5184 PCMP 384 C5204 PCMP 384 C5224
0.24 0.27	10.0 x 19.5 x 26.0	PCMP 384 C2244 PCMP 384 C2274	PCMP 384 C5244 PCMP 384 C5274

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 630 V$		$V_{Rac} = 400 V$		$V_{p-p} = 630 V$	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER			
		PCMP 384			
		loose in box		ammo packing	
		It = 5.0 \pm 1.0 mm		H = 18.5 mm	
		C - tol. \pm 5 %		C - tol. \pm 5 %	
		Pitch = 10.0 \pm 0.4 mm		dt = 0.6 +0.06/-0.05 mm	
0.0047 0.0051 0.0056 0.0062 0.0068 0.0075 0.0082	4.0 x 10.0 x 12.5	PCMP 384 12472 PCMP 384 12512 PCMP 384 12562 PCMP 384 12622 PCMP 384 12682 PCMP 384 12752 PCMP 384 12822	PCMP 384 15472 PCMP 384 15512 PCMP 384 15562 PCMP 384 15622 PCMP 384 15682 PCMP 384 15752 PCMP 384 15822		
0.0091 0.010 0.011 0.012	5.0 x 11.0 x 12.5	PCMP 384 12912 PCMP 384 12103 PCMP 384 12113 PCMP 384 12123	PCMP 384 15912 PCMP 384 15103 PCMP 384 15113 PCMP 384 15123		
0.013 0.015 0.016 0.018	6.0 x 12.0 x 12.5	PCMP 384 12133 PCMP 384 12153 PCMP 384 12163 PCMP 384 12183	PCMP 384 15133 PCMP 384 15153 PCMP 384 15163 PCMP 384 15183		
		Pitch = 15.0 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.020 0.022 0.024 0.027	5.0 x 11.0 x 18.0	PCMP 384 12203 PCMP 384 12223 PCMP 384 12243 PCMP 384 12273	PCMP 384 15203 PCMP 384 15223 PCMP 384 15243 PCMP 384 15273		
0.030 0.033 0.036 0.039	6.0 x 12.0 x 18.0	PCMP 384 12303 PCMP 384 12333 PCMP 384 12363 PCMP 384 12393	PCMP 384 15303 PCMP 384 15333 PCMP 384 15363 PCMP 384 15393		
0.043 0.047	7.0 x 13.5 x 18.0	PCMP 384 12433 PCMP 384 12473	PCMP 384 15433 PCMP 384 15473		
0.051 0.056 0.062 0.068	8.5 x 15.0 x 18.0	PCMP 384 12513 PCMP 384 12563 PCMP 384 12623 PCMP 384 12683	PCMP 384 15513 PCMP 384 15563 PCMP 384 15623 PCMP 384 15683		
0.075 0.082 0.091 0.10	10.0 x 16.5 x 18.0	PCMP 384 12753 PCMP 384 12823 PCMP 384 12913 PCMP 384 12104	PCMP 384 15753 PCMP 384 15823 PCMP 384 15913 PCMP 384 15104		
		Pitch = 22.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.11 0.12	7.0 x 16.5 x 26.0	PCMP 384 12114 PCMP 384 12124	PCMP 384 15114 PCMP 384 15124		
0.13 0.15 0.16 0.18	8.5 x 18.0 x 26.0	PCMP 384 12134 PCMP 384 12154 PCMP 384 12164 PCMP 384 12184	PCMP 384 15134 PCMP 384 15154 PCMP 384 15164 PCMP 384 15184		
0.20 0.22	10 x 19.5 x 26.0	PCMP 384 12204 PCMP 384 12224	PCMP 384 15204 PCMP 384 15224		
		Pitch = 27.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.24 0.27	11.0 X 21.0 X 31.0	PCMP 384 12244 PCMP 384 12274	- -		
0.30 0.33	13.0 X 23.0 X 31.0	PCMP 384 12304 PCMP 384 12334	- -		
0.36 0.39 0.43 0.47	15.0 X 25.0 X 31.0	PCMP 384 12364 PCMP 384 12394 PCMP 384 12434 PCMP 384 12474	- - - -		
0.51 0.56 0.62 0.68	18.0 X 28.0 X 31.0	PCMP 384 12514 PCMP 384 12564 PCMP 384 12624 PCMP 384 12684	- - - -		

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 1000\text{ V}$		$V_{Rac} = 600\text{ V}$		$V_{p-p} = 1000\text{ V}$		Mini Type	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER					
		PCMP 384					
		loose in box		ammo packing			
		lt = 5.0 ± 1.0 mm		H = 18.5 mm			
		C – tol. ± 5 %		C – tol. ± 5 %			
		Pitch = 10.0 ± 0.4 mm		dt = 0.6 +0.06/-0.05 mm			
0.0010 0.0011 0.0012 0.0013 0.0015 0.0016 0.0018 0.0020 0.0022 0.0024 0.0027 0.0030 0.0033	4.0 x 10.0 x 12.5	PCMP 384 D2102 PCMP 384 D2112 PCMP 384 D2122 PCMP 384 D2132 PCMP 384 D2152 PCMP 384 D2162 PCMP 384 D2182 PCMP 384 D2202 PCMP 384 D2222 PCMP 384 D2242 PCMP 384 D2272 PCMP 384 D2302 PCMP 384 D2332	PCMP 384 D5102 PCMP 384 D5112 PCMP 384 D5122 PCMP 384 D5132 PCMP 384 D5152 PCMP 384 D5162 PCMP 384 D5182 PCMP 384 D5202 PCMP 384 D5222 PCMP 384 D5242 PCMP 384 D5272 PCMP 384 D5302 PCMP 384 D5332				
0.0036 0.0039 0.0043 0.0047	5.0 x 11.0 x 12.5	PCMP 384 D2362 PCMP 384 D2392 PCMP 384 D2432 PCMP 384 D2472	PCMP 384 D5362 PCMP 384 D5392 PCMP 384 D5432 PCMP 384 D5472				
0.0051 0.0056 0.0062 0.0068	6.0 x 12.0 x 12.5	PCMP 384 D2512 PCMP 384 D2562 PCMP 384 D2622 PCMP 384 D2682	PCMP 384 D5512 PCMP 384 D5562 PCMP 384 D5622 PCMP 384 D5682				
		Pitch = 15.0 ± 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.0033 0.0036 0.0039 0.0043 0.0047 0.0051 0.0056 0.0062 0.0068 0.0075 0.0082 0.0091 0.010 0.011 0.012	5.0 x 11.0 x 18.0	PCMP 384 72332 PCMP 384 72362 PCMP 384 72392 PCMP 384 72432 PCMP 384 72472 PCMP 384 72512 PCMP 384 72562 PCMP 384 72622 PCMP 384 72682 PCMP 384 D2752 PCMP 384 D2822 PCMP 384 D2912 PCMP 384 D2103 PCMP 384 D2113 PCMP 384 D2123	PCMP 384 75332 PCMP 384 75362 PCMP 384 75392 PCMP 384 75432 PCMP 384 75472 PCMP 384 75512 PCMP 384 75562 PCMP 384 75622 PCMP 384 75682 PCMP 384 D5752 PCMP 384 D5822 PCMP 384 D5912 PCMP 384 D5103 PCMP 384 D5113 PCMP 384 D5123				
0.013 0.015	6.0 x 12.0 x 18.0	PCMP 384 D2133 PCMP 384 D2153	PCMP 384 D5133 PCMP 384 D5153				
0.016 0.018 0.020 0.022	7.0 x 13.5 x 18.0	PCMP 384 D2163 PCMP 384 D2183 PCMP 384 D2203 PCMP 384 D2223	PCMP 384 D5163 PCMP 384 D5183 PCMP 384 D5203 PCMP 384 D5223				
0.024 0.027 0.030 0.033	8.5 x 15.0 x 18.0	PCMP 384 D2243 PCMP 384 D2273 PCMP 384 D2303 PCMP 384 D2333	PCMP 384 D5243 PCMP 384 D5273 PCMP 384 D5303 PCMP 384 D5333				
0.036 0.039	10.0 x 16.5 x 18.0	PCMP 384 D2363 PCMP 384 D2393	PCMP 384 D5363 PCMP 384 D5393				

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 1000\text{ V}$		$V_{Rac} = 600\text{ V}$		$V_{p-p} = 1000\text{ V}$		Mini Type	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER					
		PCMP 384					
		loose in box		ammo packing			
		lt = 5.0 \pm 1.0 mm		H = 18.5 mm			
		C - tol. \pm 5 %		C - tol. \pm 5 %			
		Pitch = 22.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.043 0.047 0.051 0.056	7.0 x 16.5 x 26.0	PCMP 384 D2433 PCMP 384 D2473 PCMP 384 D2513 PCMP 384 D2563	PCMP 384 D5433 PCMP 384 D5473 PCMP 384 D5513 PCMP 384 D5563				
0.062 0.068	8.5 x 18.0 x 26.0	PCMP 384 D2623 PCMP 384 D2683	PCMP 384 D5623 PCMP 384 D5683				
0.075 0.082 0.091 0.10	10.0 x 19.5 x 26.0	PCMP 384 D2753 PCMP 384 D2823 PCMP 384 D2913 PCMP 384 D2104	PCMP 384 D5753 PCMP 384 D5823 PCMP 384 D5913 PCMP 384 D5104				
		Pitch = 27.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.11 0.12	11.0 x 21.0 x 31.0	PCMP 384 D2114 PCMP 384 D2124	- -				
0.13 0.15	13.0 x 23.0 x 31.0	PCMP 384 D2134 PCMP 384 D2154	- -				
0.16 0.18 0.20 0.22	15.0 x 25.0 x 31.0	PCMP 384 D2164 PCMP 384 D2184 PCMP 384 D2204 PCMP 384 D2224	- - - -				
0.24 0.27 0.30 0.33	18.0 x 28.0 x 31.0	PCMP 384 D2244 PCMP 384 D2274 PCMP 384 D2304 PCMP 384 D2334	- - - -				

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 1600 V$		$V_{Rac} = 650 V$		$V_{p-p} = 1600 V$	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER			
		PCMP 384			
		loose in box		ammo packing	
		lt = 5.0 \pm 1.0 mm		H = 18.5 mm	
		C - tol. \pm 5 %		C - tol. \pm 5 %	
Pitch = 15.0 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.0022 0.0024 0.0027 0.0030 0.0033 0.0036 0.0039 0.0043 0.0047	5.0 x 11.0 x 18.0	PCMP 384 82222 PCMP 384 82242 PCMP 384 82272 PCMP 384 82302 PCMP 384 82332 PCMP 384 82362 PCMP 384 82392 PCMP 384 82432 PCMP 384 82472	PCMP 384 85222 PCMP 384 85242 PCMP 384 85272 PCMP 384 85302 PCMP 384 85332 PCMP 384 85362 PCMP 384 85392 PCMP 384 85432 PCMP 384 85472		
0.0051 0.0056 0.0062 0.0068	6.0 x 12.0 x 18.0	PCMP 384 82512 PCMP 384 82562 PCMP 384 82622 PCMP 384 82682	PCMP 384 85512 PCMP 384 85562 PCMP 384 85622 PCMP 384 85682		
0.0075 0.0082	7.0 x 13.5 x 18.0	PCMP 384 82752 PCMP 384 82822	PCMP 384 85752 PCMP 384 85822		
0.0091 0.010 0.011 0.012	8.5 x 15.0 x 18.0	PCMP 384 82912 PCMP 384 82103 PCMP 384 82113 PCMP 384 82123	PCMP 384 85912 PCMP 384 85103 PCMP 384 85113 PCMP 384 85123		
0.013 0.015 0.016 0.018	10.0 x 16.5 x 18.0	PCMP 384 82133 PCMP 384 82153 PCMP 384 82163 PCMP 384 82183	PCMP 384 85133 PCMP 384 85153 PCMP 384 85163 PCMP 384 85183		
Pitch = 22.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.0056 0.0062 0.0068 0.0075 0.0082 0.0091 0.010	6.0 x 15.5 x 26.0	PCMP 384 8M562 PCMP 384 8M622 PCMP 384 8M682 PCMP 384 8M752 PCMP 384 8M822 PCMP 384 8M912 PCMP 384 8M103	- - - - - - -		
0.011 0.012 0.013 0.015	7.0 x 16.5 x 26.0	PCMP 384 8M113 PCMP 384 8M123 PCMP 384 8M133 PCMP 384 8M153	- - - -		
0.016 0.018 0.020 0.022	8.5 x 18.0 x 26.0	PCMP 384 8M163 PCMP 384 8M183 PCMP 384 82203 PCMP 384 82223	- - PCMP 384 85203 PCMP 384 85223		
0.024 0.027 0.030 0.033 0.036	10.0 x 19.5 x 26.0	PCMP 384 82243 PCMP 384 82273 PCMP 384 82303 PCMP 384 82333 PCMP 384 82363	PCMP 384 85243 PCMP 384 85273 PCMP 384 85303 PCMP 384 85333 PCMP 384 85363		
Pitch = 27.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.039 0.043 0.047 0.051	11.0 x 21.0 x 31.0	PCMP 384 82393 PCMP 384 82433 PCMP 384 82473 PCMP 384 82513	PCMP 384 85393 PCMP 384 85433 PCMP 384 85473 PCMP 384 85513		
0.056 0.062 0.068 0.075	13.0 x 23.0 x 31.0	PCMP 384 82563 PCMP 384 82623 PCMP 384 82683 PCMP 384 82753	PCMP 384 85563 PCMP 384 85623 PCMP 384 85683 PCMP 384 85753		
0.082 0.091 0.1	15.0 x 25.0 x 31.0	PCMP 384 82823 PCMP 384 82913 PCMP 384 82104	PCMP 384 85823 PCMP 384 85913 PCMP 384 85104		
0.12 0.13	18.0 x 28.0 x 31.0	PCMP 384 82124 PCMP 384 82134	PCMP 384 85124 PCMP 384 85134		

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

$V_{Rdc} = 2000\text{ V}$		$V_{Rac} = 680\text{ V}$		$V_{p-p} = 2000\text{ V}$	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER			
		PCMP 384			
		loose in box		ammo packing	
		lt = 5.0 \pm 1.0 mm		H = 18.5 mm	
		C - tol. \pm 5 %		C - tol. \pm 5 %	
Pitch = 15.0 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.0020 0.0022 0.0024 0.0027	5.0 x 11.0 x 18.0	PCMP 384 92202 PCMP 384 92222 PCMP 384 92242 PCMP 384 92272	PCMP 384 95202 PCMP 384 95222 PCMP 384 95242 PCMP 384 95272		
0.0030 0.0033 0.0036 0.0039	6.0 x 12.0 x 18.0	PCMP 384 92302 PCMP 384 92332 PCMP 384 92362 PCMP 384 92392	PCMP 384 95302 PCMP 384 95332 PCMP 384 95362 PCMP 384 95392		
0.0043 0.0047 0.0051 0.0056	7.0 x 13.5 x 18.0	PCMP 384 92432 PCMP 384 92472 PCMP 384 92512 PCMP 384 92562	PCMP 384 95432 PCMP 384 95472 PCMP 384 95512 PCMP 384 95562		
0.0062 0.0068 0.0075 0.0082	8.5 x 15.0 x 18.0	PCMP 384 92622 PCMP 384 92682 PCMP 384 92752 PCMP 384 92822	PCMP 384 95622 PCMP 384 95682 PCMP 384 95752 PCMP 384 95822		
0.0091 0.010 0.011 0.012	10.0 x 16.5 x 18.0	PCMP 384 92912 PCMP 384 92103 PCMP 384 92113 PCMP 384 92123	PCMP 384 95912 PCMP 384 95103 PCMP 384 95113 PCMP 384 95123		
Pitch = 22.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.0056 0.0062 0.0068	6.0 x 15.5 x 26.0	PCMP 384 9M562 PCMP 384 9M622 PCMP 384 9M682	- - -		
0.0075 0.0082 0.0091 0.010	7.0 x 16.5 x 26.0	PCMP 384 9M752 PCMP 384 9M822 PCMP 384 9M912 PCMP 384 9M103	- - - -		
0.011 0.012 0.013 0.015	8.5 x 18.0 x 26.0	PCMP 384 9M113 PCMP 384 9M123 PCMP 384 92133 PCMP 384 92153	- - PCMP 384 95133 PCMP 384 95153		
0.016 0.018 0.020 0.022 0.024	10.0 x 19.5 x 26.0	PCMP 384 92163 PCMP 384 92183 PCMP 384 92203 PCMP 384 92223 PCMP 384 92243	PCMP 384 95163 PCMP 384 95183 PCMP 384 95203 PCMP 384 95223 PCMP 384 95243		
Pitch = 27.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm			
0.027 0.030 0.033 0.036	11.0 x 21.0 x 31.0	PCMP 384 92273 PCMP 384 92303 PCMP 384 92333 PCMP 384 92363	PCMP 384 95273 PCMP 384 95303 PCMP 384 95333 PCMP 384 95363		
0.039 0.043 0.047	13.0 x 23.0 x 31.0	PCMP 384 92393 PCMP 384 92433 PCMP 384 92473	PCMP 384 95393 PCMP 384 95433 PCMP 384 95473		
0.051 0.056 0.062 0.068	15.0 x 25.0 x 31.0	PCMP 384 92513 PCMP 384 92563 PCMP 384 92623 PCMP 384 92683	PCMP 384 95513 PCMP 384 95563 PCMP 384 95623 PCMP 384 95683		
0.075 0.082	18.0 x 28.0 x 31.0	PCMP 384 92753 PCMP 384 92823	PCMP 384 95753 PCMP 384 95823		

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PCMP 384

Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER	
		PCMP 384	
		loose in box	ammo packing
		lt = 5.0 \pm 1.0 mm	H = 18.5 mm
		C - tol. \pm 5 %	C - tol. \pm 5 %
Pitch = 15.0 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.0010 0.0011 0.0012 0.0013 0.0015 0.0016 0.0018 0.0020 0.0022 0.0024	5.0 x 11.0 x 18.0	PCMP 384 22102 PCMP 384 22112 PCMP 384 22122 PCMP 384 22132 PCMP 384 22152 PCMP 384 22162 PCMP 384 22182 PCMP 384 22202 PCMP 384 22222 PCMP 384 22242	PCMP 384 25102 PCMP 384 25112 PCMP 384 25122 PCMP 384 25132 PCMP 384 25152 PCMP 384 25162 PCMP 384 25182 PCMP 384 25202 PCMP 384 25222 PCMP 384 25242
0.0027 0.0030 0.0033 0.0036	6.0 x 12.0 x 18.0	PCMP 384 22272 PCMP 384 22302 PCMP 384 22332 PCMP 384 22362	PCMP 384 25272 PCMP 384 25302 PCMP 384 25332 PCMP 384 25362
0.0039 0.0043 0.0047	7.0 x 13.5 x 18.0	PCMP 384 22392 PCMP 384 22432 PCMP 384 22472	PCMP 384 25392 PCMP 384 25432 PCMP 384 25472
0.0051 0.0056 0.0062 0.0068	8.5 x 15.0 x 18.0	PCMP 384 22512 PCMP 384 22562 PCMP 384 22622 PCMP 384 22682	PCMP 384 25512 PCMP 384 25562 PCMP 384 25622 PCMP 384 25682
0.0075 0.0082 0.0091 0.010	10.0 x 16.5 x 18.0	PCMP 384 22752 PCMP 384 22822 PCMP 384 22912 PCMP 384 22103	PCMP 384 25752 PCMP 384 25822 PCMP 384 25912 PCMP 384 25103

AC and Pulse Double Side Metallized Polypropylene film Capacitors

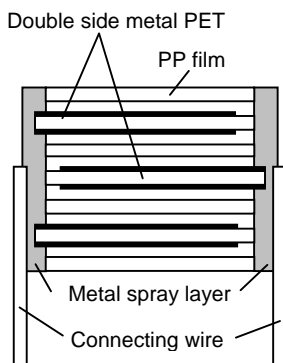
PCMP 384

$V_{Rdc} = 2500\text{ V}$	$V_{Rac} = 900\text{ V}$	$V_{p-p} = 2500\text{ V}$	
Cap (μF)	b x h x l (mm)	CATALOGUE NUMBER	
		PCMP 384	
		loose in box	ammo packing
		lt = 5.0 \pm 1.0 mm	H = 18.5 mm
		C - tol. \pm 5 %	C - tol. \pm 5 %
Pitch = 22.5 \pm 0.4 mm		dt = 0.8 +0.08/-0.05 mm	
0.0010	6.0 x 15.5 x 26.0	PCMP 384 02102	PCMP 384 05102
0.0011		PCMP 384 02112	PCMP 384 05112
0.0012		PCMP 384 02122	PCMP 384 05122
0.0013		PCMP 384 02132	PCMP 384 05132
0.0015		PCMP 384 02152	PCMP 384 05152
0.0016		PCMP 384 02162	PCMP 384 05162
0.0018		PCMP 384 02182	PCMP 384 05182
0.0020		PCMP 384 02202	PCMP 384 05202
0.0022		PCMP 384 02222	PCMP 384 05222
0.0024		PCMP 384 02242	PCMP 384 05242
0.0027		PCMP 384 02272	PCMP 384 05272
0.0030		PCMP 384 02302	PCMP 384 05302
0.0033		PCMP 384 02332	PCMP 384 05332
0.0036		PCMP 384 02362	PCMP 384 05362
0.0039		PCMP 384 02392	PCMP 384 05392
0.0043		PCMP 384 02432	PCMP 384 05432
0.0047	PCMP 384 02472	PCMP 384 05472	
0.0051	PCMP 384 02512	PCMP 384 05512	
0.0056	7.0 x 16.5 x 26.0	PCMP 384 02562	PCMP 384 05562
0.0062		PCMP 384 02622	PCMP 384 05622
0.0068		PCMP 384 02682	PCMP 384 05682
0.0075		PCMP 384 02752	PCMP 384 05752
0.0082	8.5 x 18.0 x 26.0	PCMP 384 02822	PCMP 384 05822
0.0091		PCMP 384 02912	PCMP 384 05912
0.010		PCMP 384 02103	PCMP 384 05103
0.011		PCMP 384 02113	PCMP 384 05113
0.012	10.0 x 19.5 x 26.0	PCMP 384 02123	PCMP 384 05123
0.013		PCMP 384 02133	PCMP 384 05133
0.015		PCMP 384 02153	PCMP 384 05153

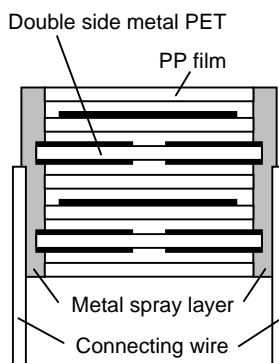
AC and Pulse Double Side Metallized Polypropylene film Capacitors

CONSTRUCTION

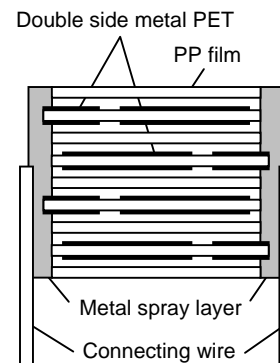
250V_{dc} ~ 630V_{dc} (< 400 V_{ac})



630V_{dc} ~ 2000V_{dc} (>400 V_{ac})



700V_{ac}



Description ;

- . Low - inductive wound cell of metallized polyester carrier film and polypropylene (PP) film.
- . Potted with blue epoxy resin in a blue flame-retardant polypropylene case.
- . Radial leads, tin-coated.
- . Small stand-off pips allow removal of solder flux etc. during cleaning of the printed circuit board.

MOUNTING

NORMAL USE

The capacitors are designed for mounting on printed-circuit boards. The capacitors packed in bandoliers are designed for mounting on printed-circuit boards by means of automatic insertion machines.

SPECIFIC METHOD OF MOUNTING TO WITHSTAND VIBRATION AND SHOCK

- . For pitches of 15 mm the capacitors shall be mechanically fixed by the leads
- . For larger pitches the capacitors shall be mounted in the same way and the body clamped.

STORAGE TEMPERATURE

- . Storage temperature : $T_{stg} = -25$ to $+40$ °C with RH maximum 80% without condensation.

RATINGS AND CHARACTERISTICS

Unless otherwise specified all electrical values apply at an ambient temperature of 23 ± 1 °C, an atmospheric pressure of 86 to 106 kPa and a relative humidity of 50 ± 2 %.

For reference testing a conditioning period shall be applied of 96 ± 4 h by heating the products in a circulating air oven at the rated temperature and a relative humidity not exceeding 20%.

AC and Pulse Double Side Metallized Polypropylene film Capacitors

CHARACTERISTICS

● Test Voltage

- . Test Voltage (between terminations) : $1.6 \times V_{Rdc}$, 1min
- . Test Voltage (between leads and CAs) : $2840 V_{dc}$, 1min

● Dissipation Factor

Rated voltage	Capacitance	Tangent of loss angle ($\times 10^{-4}$)	
		10 KHz	100 KHz
250 V ($V_{Rac} = 125V\sim$)	$C \leq 0.33 \mu F$	≤ 5	≤ 25
	$0.33 \mu F < C \leq 1.0 \mu F$	≤ 5	≤ 45
400 V ($V_{Rac} = 200V\sim$)	$C \leq 0.33 \mu F$	≤ 5	≤ 15
	$0.033 \mu F < C \leq 0.22 \mu F$ (P =15.0mm) $0.22 \mu F < C \leq 0.47 \mu F$ (P =22.5mm)	≤ 5 ≤ 10	≤ 20 ≤ 40
630 V ($V_{Rac} = 250V\sim$, mini)	$C \leq 0.15 \mu F$	≤ 5	≤ 15
	$0.15 \mu F < C \leq 0.27 \mu F$	≤ 8	≤ 25
630 V ($V_{Rac} = 400V\sim$)	$C \leq 0.018 \mu F$	≤ 4	≤ 10
	$0.018 \mu F < C \leq 0.1 \mu F$	≤ 5	≤ 15
	$0.1 \mu F < C$	≤ 8	≤ 25
630 V ($V_{Rac} = 250V\sim$, old)	$C \leq 0.1 \mu F$	≤ 5	≤ 15
	$0.1 \mu F < C \leq 0.22 \mu F$	≤ 8	≤ 25
1000 V ($V_{Rac} = 450V\sim$)	$C \leq 0.027 \mu F$ (P =15.0mm)	≤ 4	≤ 15
	$0.012 \mu F \leq C \leq 0.039 \mu F$ (P =22.5mm)	≤ 6	≤ 20
1000 V ($V_{Rac} = 600V\sim$)	$C \leq 0.0056 \mu F$	≤ 4	≤ 15
	$0.0056 \mu F < C \leq 0.039 \mu F$	≤ 6	≤ 20
	$0.039 \mu F < C \leq 0.1 \mu F$	≤ 8	≤ 25
1600 V ($V_{Rac} = 650V\sim$)	$C \leq 0.018 \mu F$	≤ 5	≤ 15
	$0.0056 \mu F \leq C \leq 0.027 \mu F$	≤ 5	≤ 20
2000 V ($V_{Rac} = 680V\sim$)	$C \leq 0.012 \mu F$ (P =15.0mm)	≤ 5	≤ 15
	$0.0051 \mu F \leq C \leq 0.018 \mu F$ (P =22.5mm)	≤ 5	≤ 20
2000 V ($V_{Rac} = 700V\sim$)	$C \leq 0.01 \mu F$	≤ 5	≤ 15
2500 V ($V_{Rac} = 900V\sim$)	$0.0039 \mu F \leq C \leq 0.0047 \mu F$	≤ 5	≤ 15

● Insulation Resistance

The insulation resistance is measured for 1min $\pm 5s$, at 100V for $V_{Rdc} < 630V$, at 500V for $V_{Rdc} \geq 630V$

R between leads : $> 100\ 000\ M\Omega$

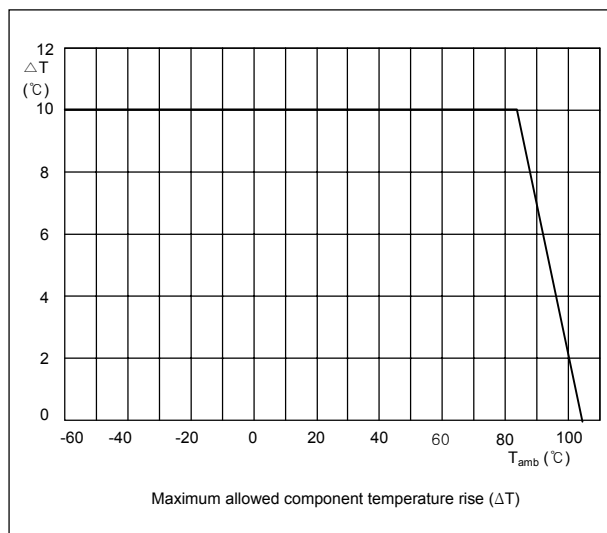
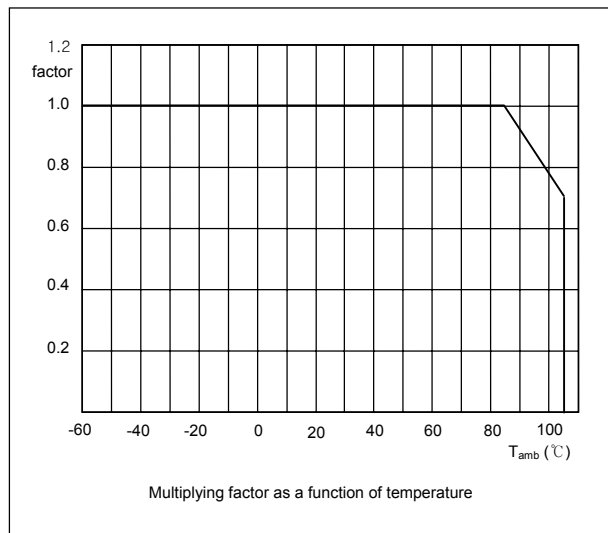
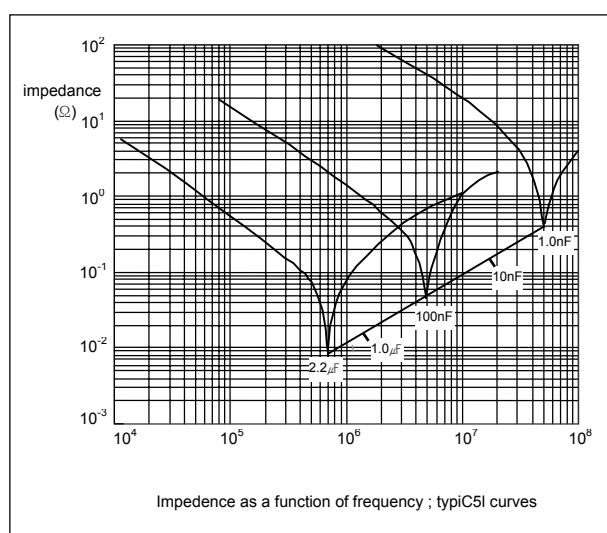
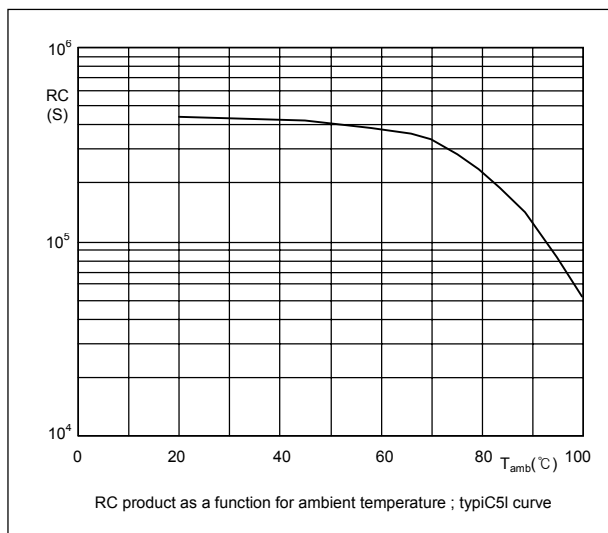
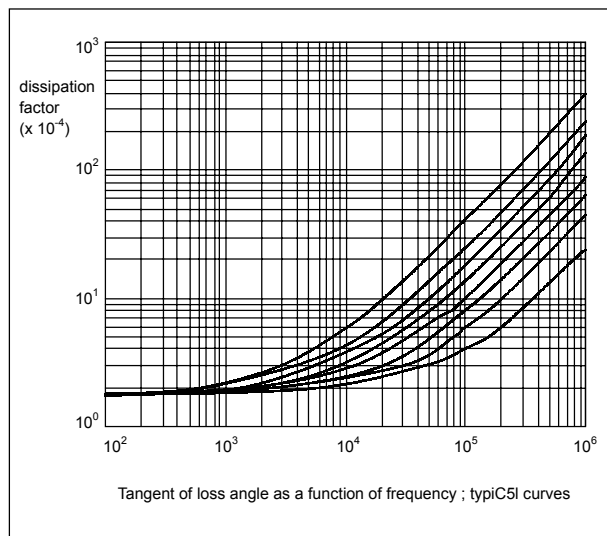
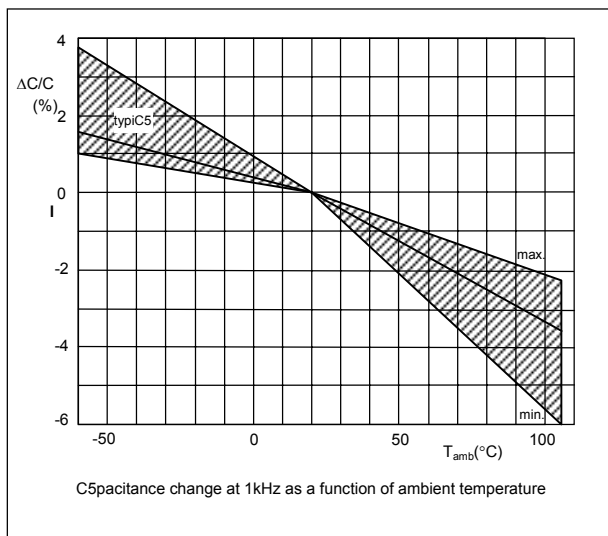
AC and Pulse Double Side Metallized Polypropylene film Capacitors

● Rated Voltage Pulse Lode Slope (dV/dt)_R

For values see specific reference data. If the pulse voltage is lower than the rated voltage, the values of the specific reference data must be multiplied by V_{Rdc} and divided by the applied voltage

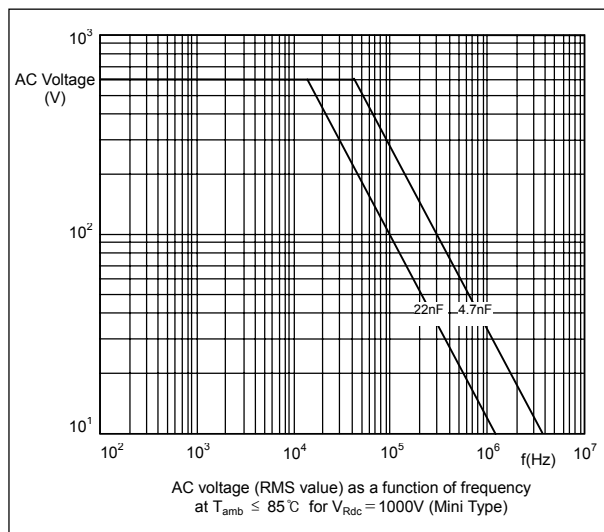
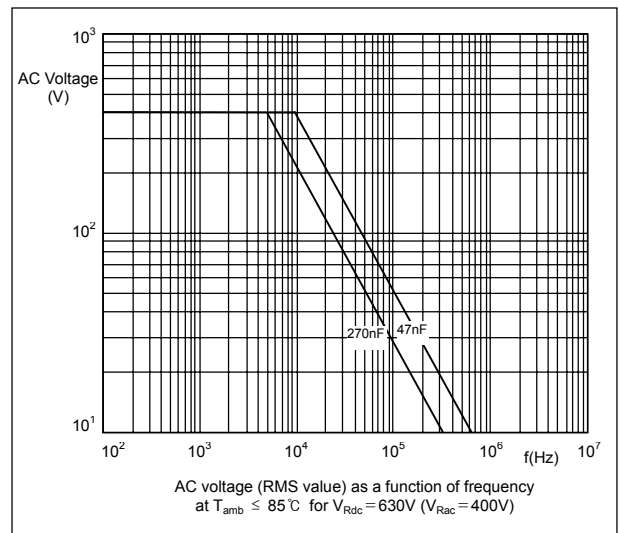
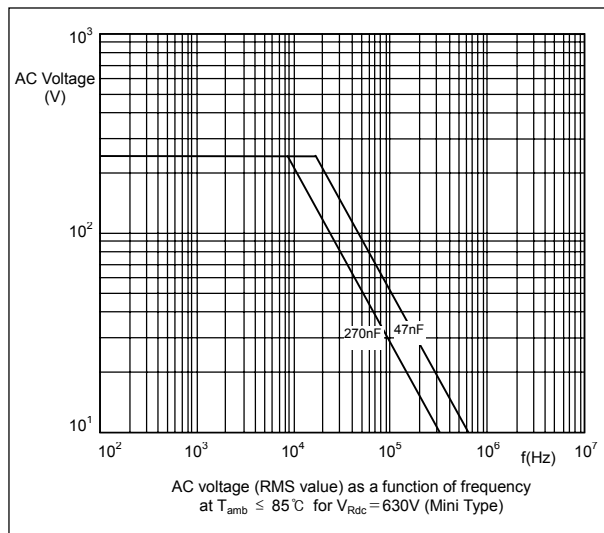
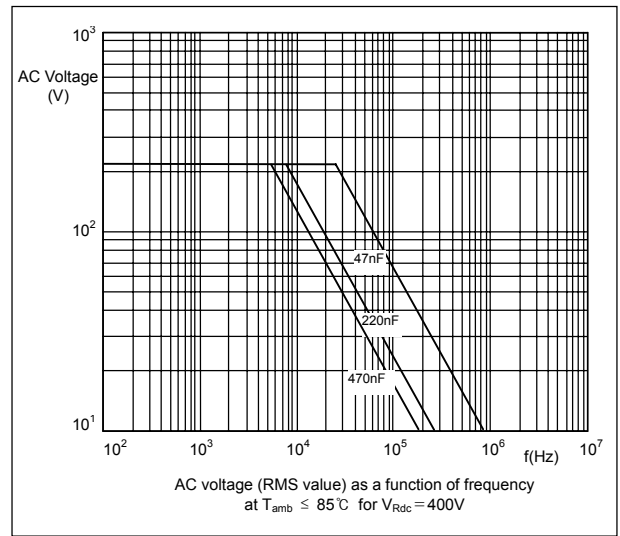
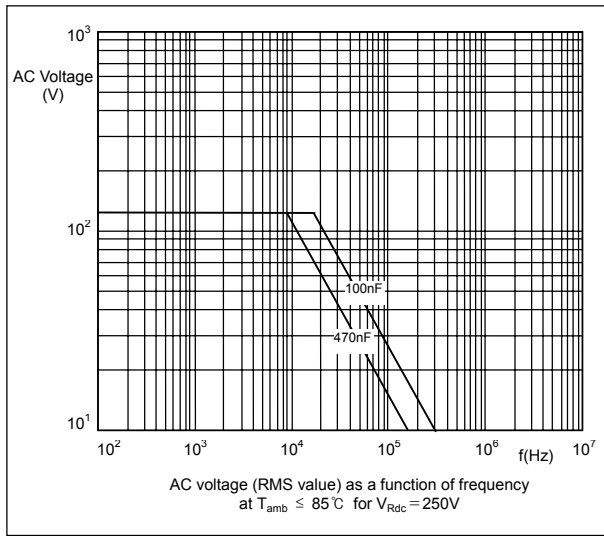
Rated voltage	Rated voltage pulse slope (V/ μ s)			
	P = 10.0 mm	P = 15.0 mm	P = 22.5 mm	P = 27.5 mm
250 V	-	550	250	-
400 V	1200	700	400	-
630V	1500	900	500	400
1000 V	4800	3300	2100	1200
1600 V	-	6000	3000	-
2000 V ($V_{Rac} = 680V$)	-	9500	3500	-
2000 V ($V_{Rac} = 700V$)	-	11000	-	-
2500 V	-	-	11000	-

THE GRAPHS OF CHARACTERISTICS



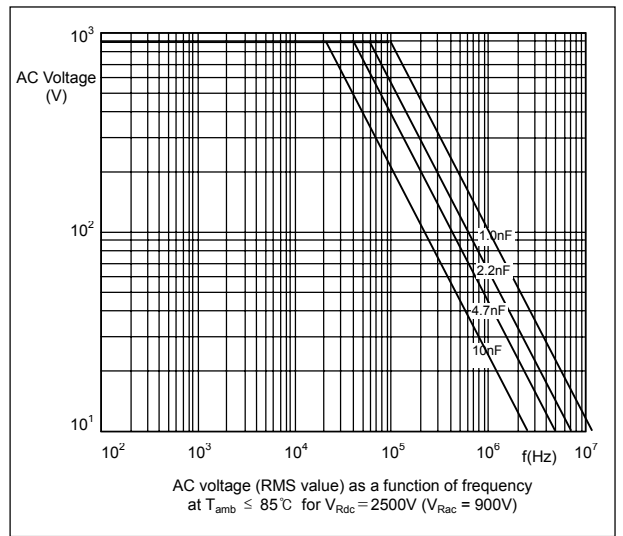
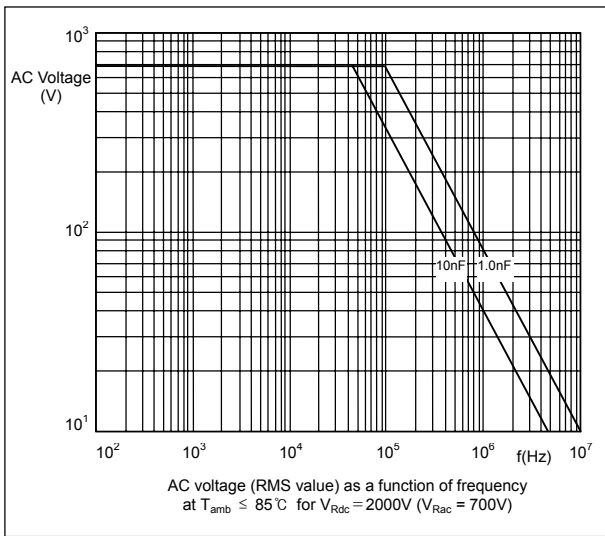
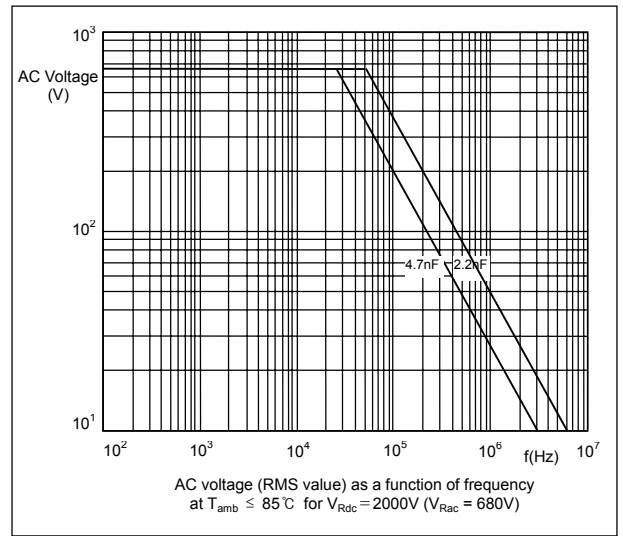
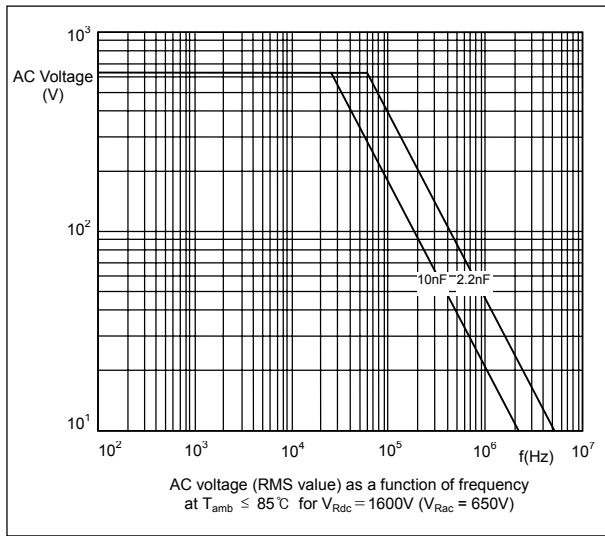
AC and Pulse Double Side Metallized Polypropylene film Capacitors

MAXIMUM RMS VOLTAGE (SINEWAVE) AS A FUNCTION OF FREQUENCY



AC and Pulse Double Side Metallized Polypropylene film Capacitors

MAXIMUM RMS VOLTAGE (SINEWAVE) AS A FUNCTION OF FREQUENCY



AC and Pulse Double Side Metallized Polypropylene film Capacitors

APPLICATION NOTE AND LIMITING CONDITIONS

These capacitors are not suitable for mains application as across-the-line capacitors without additional protection.

To select the capacitor for a certain application, the following conditions must be checked :

1. The peak voltage (V_p) shall not be greater than the rated DC voltage (V_{Rdc}).
2. The peak-to-peak voltage (V_{p-p}) shall not be greater than the maximum V_{p-p} to avoid the ionisation inception level.
3. The voltage pulse slope (dV/dt) shall not exceed the rated voltage pulse slope in an RC-circuit at rated voltage and without ringing. If the pulse voltage is lower than the rated DC voltage, the rated voltage pulse slope may be multiplied by V_{Rdc} and divided by the applied voltage.
For all other pulses following equation must be fulfilled :

$$2 \times \int_0^T \left(\frac{dU}{dt} \right) \times dt < U_{Rdc} \times \left(\frac{dU}{dt} \right)_{rated}$$

T is the pulse duration.

4. The maximum component surface temperature rise must be lower than the limits.

Voltage conditions for above.

ALLOWED VOLTAGES	$T_{amb} \leq 85^{\circ}C$	$85^{\circ}C < T_{amb} \leq 105^{\circ}C$
Maximum continuous RMS voltage	V_{Rac}	$0.75 \times V_{Rac}$
Maximum temporary RMS over voltage (<24 hours)	$1.25 \times V_{Rac}$	$1.0 \times V_{Rac}$
Maximum peak voltage (V_{o-p}) (<2s)	$1.6 \times V_{Rdc}$	$1.1 \times V_{Rac}$

AC and Pulse Double Side Metallized Polypropylene film Capacitors

PRODUCT MARKING

The capacitors are marked on the top and side or on the top with the following information :

- . Rated capacitance in code according to IEC 60062
- . Tolerance on rated capacitance J = $\pm 5\%$ A = $\pm 3.5\%$
- . Rated DC voltage or rated AC voltage (e.g. 1000 V or 700Vac)
- . Manufacturer's type designation (384)
- . Code for dielectric material (MMKP)
- . Manufacturer's name (PILKOR)
- . Year and week of manufacture (e.g. 0301)

Example of marking

Pitch = 10.0 mm

4n7 J 630V

Marking on the top

PILKOR 384 MMKP

Marking on the side

Pitch = 15.0 mm

33n J 1000V 384 MMKP

Marking on the top

PILKOR WK.....

Marking on the side

Pitch \geq 22.5 mm

47n J 1000V 384 MMKP

Marking on the top

PILKOR WK....

Marking on the side

or

47n J 1000V 384 MMKP	PILKOR WK....
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Marking on the top