

# film capacitors

## metallized film

### 2222 344 (nugget)

Coupling and decoupling capacitors of well-defined shape with radial leads. For use in general industrial and professional applications where environmental conditions are of prime importance.

Rated capacitance range, $C_R$	3,9 nF to 5,8 $\mu$ F
tolerance	10 and 20%
Capacitance series	E6 (E12 on request)
Rated voltage range, $U_R$ (d.c.)	100 to 630 V
$U_R$ (a.c.) 50–60 Hz	63 to 220 V
Category temperature range	-55 to +100 °C
Test voltage	$1,6 \times U_R$
Insulation resistance	
$C \leq 0,33 \mu$ F; $U_R \geq 250$ V(d.c.)	$R > 30000$ M $\Omega$
$U_R = 100$ V(d.c.)	$R > 15000$ M $\Omega$
$C > 0,33 \mu$ F; $U_R \geq 250$ V(d.c.)	$RC > 10000$ s
$U_R = 100$ V(d.c.)	$RC > 5000$ s
Tan $\delta$ at 10 kHz	
dielectric: polycarbonate	$\leq 75 \times 10^{-4}$
PETP	$\leq 150 \times 10^{-4}$
Climatic category IEC 68	55/100/56

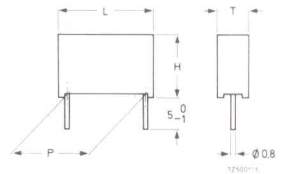
#### Composition of the catalogue no.

		2222 344			
dielectric	V (d.c.)	%			
polycarbonate	100	20	20	capacitance code in table	
		10	21		
		20	44		
		10	45		
		400	20		50
			10		51
PETP	630	20	60		
		10	61		
	100	20	24		
		10	25		
	250	20	40		
		10	41		
	400	20	54		
		10	55		

#### Max steepness in V/ $\mu$ s (pulse loads)

dimensions L (mm)					
V (d.c.)	13	17,5	26	30	
100	10	7	3,5	3	
250	20	10	6	5	
400	30	20	9	8	
630	45	30	13	10	

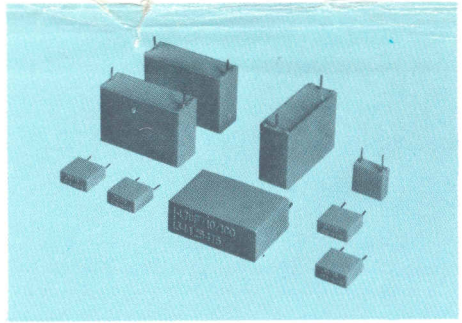
L	P
13	10
17,5	15
26	22,5
30	27,5



#### Selection chart for $C_R$ – $U_R$ and relevant sizes

$C_R$ $\mu$ F	cap. code	$U_R$ (V)											
		d.c. 100			250			400			630		
		a.c. 63	100		160	200		200	220		220	220	
		T	x L	x H	T	x L	x H	T	x L	x H	T	x L	x H
0,01	103												
0,015	153												
0,022	223												
0,033	333												
0,047	473				4,5 x 13	x 10					4,5 x 13	x 10	
0,068	683				4,5 x 13	x 10					4,5 x 13	x 10	
0,1	104	4,5 x 13	x 10		5 x 17,5	x 11					5 x 13	x 11	
0,15	154	4,5 x 13	x 10		6 x 17,5	x 11,5					6 x 13	x 12	
0,22	224	5 x 13	x 11		7 x 17,5	x 13					6 x 17,5	x 11,5	
0,33	334	5 x 17,5	x 11		8,5 x 17,5	x 14,5					7 x 17,5	x 13	
0,47	474	6 x 17,5	x 11,5		6,5 x 26	x 15,5					8,5 x 17,5	x 14,5	
0,68	684	7 x 17,5	x 13		7,5 x 26	x 16,5					6,5 x 26	x 15,5	
1	105	8,5 x 17,5	x 14,5		9,5 x 26	x 19					7,5 x 26	x 16,5	
1,5	155	6,5 x 26	x 15,5		11 x 30	x 20,5					9 x 26	x 19	
2,2	225	8,5 x 26	x 18		13,5 x 30	x 23					11 x 30	x 20,5	
3,3	335	9,5 x 26	x 19								13,5 x 30	x 23	
4,7	475	11 x 30	x 20,5										
6,8	685	13,5 x 30	x 23										

2222 344 (nugget)  
miniature

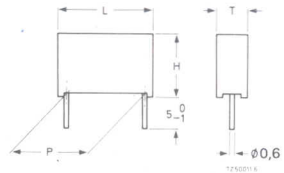


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version	max pulse steepness
V(d.c.)	V/ $\mu$ s
100	10
250	25
400	40
630	60

Composition of the catalogue no.

2222 344			.....	
dielectric	V(d.c.)	%	26	capacitance code in table
PETP	100	20	26	capacitance code in table
		10	27	
		250	20	
	250	20	46	
		10	47	
		400	20	
	400	20	56	
		10	57	
		630	20	
	630	20	66	
		10	67	



fixed volume for ALL types  
T x L x H = 4,5 x 10,5 x 10 mm  
P = 7,5 mm

C <sub>R</sub> nF	cap. code	d.c. a.c.	U <sub>R</sub> (V)			
			100 63	250 160	400 200	630 220
3,9	392					•
4,7	472					•
5,6	562					•
6,8	682					•
8,2	822				•	
10	103				•	
12	123				•	
15	153				•	
18	183			•		
22	223			•		
27	273			•		
33	333			•		
39	393		•			
47	473		•			
56	563		•			
68	683		•			
100	104		•			