

Aluminium Electrolytic – Snap-In — Continued

2222 198 Series — 85°C (PCB Mounting - Snap-In) **BC** COMPONENTS



Lead pitch = 10,
Mounting hole dia. = 2.0

- High performance snap-in electrolytic
- High ripple current capability
- Charge and discharge proof
- Motor control and industrial systems
- Smoothing and filtering
- Standard and switched mode power supplies
- Energy storage in pulse systems

µF	Ripple (A)@ 100Hz 85°C	ESR max. mΩ @100Hz 20°C	Dimensions		Mfrs. List No.		Order Code
			H	Dia.			
400 Volt d.c.							
100	0.96	2389	30	22	2222 198 56101	303-8828	
150	1.21	1592	35	25	2222 198 36151	303-8830	
220	1.59	1086	45	25	2222 198 36221	303-8841	
330	2.03	724	45	30	2222 198 36331	303-8853	
470	2.51	508	45	35	2222 198 36471	303-8865	
680	3.03	351	60	35	2222 198 46681	303-8877	
450 Volt d.c.							
68	0.82	3513	30	22	2222 198 57689	303-8889	
100	1.02	2389	35	22	2222 198 47101	303-8890	
150	1.36	1592	40	25	2222 198 47151	303-8907	
220	1.75	1086	40	30	2222 198 57221	303-8919	
330	2.22	724	50	30	2222 198 47331	303-8920	
470	2.73	508	50	35	2222 198 57471	303-8932	
680	3.3	351	60	35	2222 198 57681	303-8944	

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µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
400 Volt d.c.						
100	303-8828					
150	303-8830					
220	303-8841					
330	303-8853					
470	303-8865					
680	303-8877					
450 Volt d.c.						
68	303-8889					
100	303-8890					
150	303-8907					
220	303-8919					
330	303-8920					
470	303-8932					
680	303-8944					

TSUP Series -85°C (PCB Mounting – Snap-In) **Panasonic**



- General purpose wide CV range

Lead pitch = 10
Mounting hole dia. = 2.0

Operating temperature -40°C to +85°C (16 to 250V d.c.)
-25°C to +85°C (400 to 450V d.c.)

Tolerance ±20%
DC leakage current $3\sqrt{CV}\mu\text{A}$

µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
6800	3.15	25	20	ECOS1CP682AA	652-027
10000	3.78	30	22	ECOS1CP103BA	652-039
22000	6.10	35	25	ECOS1CP223CA	652-040
47000	7.47	50	30	ECOS1CP473DA	652-052
68000	9.05	50	35	ECOS1CP683EA	652-064

µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
6800	.652-027					
10000	.652-039					
22000	.652-040					
47000	.652-052					
68000	.652-064					

µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
3300	2.73	25	20	ECOS1V332AA	652-076
4700	3.26	30	22	ECOS1V472BA	652-088
6800	3.68	30	25	ECOS1V682CA	652-090
10000	4.42	40	25	ECOS1V103CA	652-106
22000	6.10	50	30	ECOS1V223DA	652-118
33000	7.15	50	35	ECOS1V333EA	652-120

µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
3300	.652-076					
4700	.652-088					
6800	.652-090					
10000	.652-106					
22000	.652-118					
33000	.652-120					

63 Volt d.c. µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
2200	2.52	30	22	ECOS1JP222BA	652-131
3300	4.10	30	25	ECOS1JP332CA	652-143
4700	4.86	40	25	ECOS1JP472CA	652-155
3800	5.84	40	30	ECOS1JP682DA	652-167
10000	6.52	40	35	ECOS1JP103EA	652-179

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µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
2200	.652-131					
3300	.652-143					
4700	.652-155					
6800	.652-167					
10000	.652-179					

µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
1000	1.96	35	20	ECOS2AP102AA	652-180
2200	3.14	40	25	ECOS2AP222CA	652-192
3300	4.06	50	25	ECOS2AP332CA	652-209
4700	5.13	50	30	ECOS2AP472DA	652-210
6800	6.60	50	35	ECOS2AP682EA	652-222

µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
1000	.652-180					
2200	.652-192					
3300	.652-209					
4700	.652-210					
6800	.652-222					

µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
220	1.17	30	22	ECOS2FP221BA	652-234
330	1.75	35	22	ECOS2FP331BA	652-246
470	2.11	40	25	ECOS2FP471CA	652-258
680	2.50	50	25	ECOS2FP681CA	652-260
1000	3.32	50	30	ECOS2FP102DA	652-271

µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
220	.652-234					
330	.652-246					
470	.652-258					
680	.652-260					
1000	.652-271					

µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
68	0.76	25	22	ECOS2GP680BA	652-283
100	0.92	30	22	ECOS2GP101BA	652-295
220	1.49	40	25	ECOS2GP221CA	652-301
330	1.90	40	30	ECOS2GP331DA	652-313
470	2.39	45	35	ECOS2GP471EA	652-325
560	2.69	50	35	ECOS2GP561EA	652-337

µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
68	.652-283					
100	.652-295					
220	.652-301					
330	.652-313					
470	.652-325					
560	.652-337					

µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
68	0.76	30	22	ECOS2WP680BA	652-349
100	0.93	30	25	ECOS2WP101CA	652-350
150	1.19	40	25	ECOS2WP151CA	652-362
220	1.55	50	25	ECOS2WP221CA	652-374
470	2.53	50	35	ECOS2WP471EA	652-398

µF	Order Code	Price Each				
		1+	10+	50+	100+	250+
68	.652-349					
100	.652-350					
150	.652-362					
220	.652-374					
470	.652-398					

µF	Ripple (A rms) @ 120Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
47	0.63	25	22	ECOS2HP470BA	319-9435
56	0.7	30	22	ECOS2HP560BA	319-9447
68	0.78	25	25	ECOS2HP680CA	319-9459
82	0.88	30	25	ECOS2HP820CA	319-9460
100	0.99	35	25	ECOS2HP101CA	319-9472
120	1.13	40	25	ECOS2HP121CA	319-9484
150	1.29	35	30	ECOS2HP151DA	319-9496
180	1.38	40	30	ECOS2HP181DA	319-9502
220	1.5	45	30	ECOS2HP221DA	319-9514
270	1.58	45	35	ECOS2HP271EA	319-9526
330	1.77	50	35	ECOS2HP331EA	319-9538

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