

FEATURES

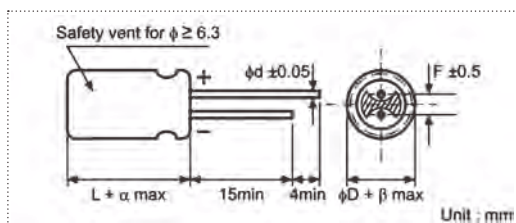
- High CV value, guarantee 2,000 hours load life at 85°C.
- Suitable for use in electronic circuits in colour TV receiver, video recorder etc.



SPECIFICATIONS

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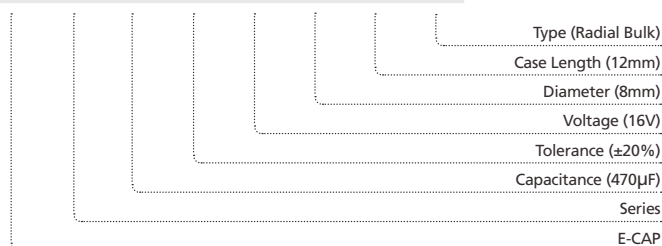
CASE SIZE TABLE



ϕD	8 (L <20)	8 (L $\geq$ 20)	10	12.5	16	18	22	25
F	3.5	3.5	5.0	5.0	7.5	7.5	10.0	12.5
ϕd	0.5	0.6	0.6	0.6	0.8	0.8	0.8	1.0
α	(L <20) 1.5					(L $\geq$ 20) 2.0		
β	(D <20) 0.5					(D $\geq$ 20) 1.0		

PART NUMBER SYSTEM (EXAMPLE : 16V 470μF)

1	23	456	7	89	10	1112	1314
E	GS	477	M	1C	F	12	RR



STANDARD RATINGS

Voltage (Code)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
220	227							8 x 12	370
330	337							8 x 12	453
470	477					8 x 12	499	10 x 12.5	628
680	687	8 x 12	503	8 x 12	546	10 x 12.5	690	10 x 16	826
1000	108	8 x 12	610	10 x 12.5	791	10 x 16	928	10 x 20	1094
1500	158	10 x 12.5	780	10 x 16	875	10 x 20	1025	12.5 x 20	1210
2200	228	10 x 16	890	10 x 20	1226	12.5 x 20	1555	12.5 x 25	1800
3300	338	10 x 20	1350	12.5 x 20	1685	12.5 x 25	1990	16 x 25	2304
4700	478	12.5 x 20	1822	12.5 x 25	2103	16 x 25	2487	16 x 30	2854
6800	688	12.5 x 25	1930	16 x 25	2606	16 x 30	3010	16 x 40	3528
								18 x 35	3546
10000	109	16 x 25	2760	16 x 30	2960	16 x 35	3490		
15000	159	16 x 35	2860	16 x 40	3100				
22000	229	18 x 40	3400						

Maximum Allowable Ripple Current (mArms) at 85°C 120Hz

Case Size Φ D x L (mm)

Voltage (Code)		35V (1V)		50V (1H)		63V (1J)		100V (2A)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
33	336							8 x 12	187
47	476							10 x 12.5	259
68	686					8 x 12	220	10 x 16	290
100	107			8 x 12	306	8 x 12	321	10 x 20	453
220	227	8 x 12	405	10 x 12.5	506	10 x 16	615	12.5 x 20	742
330	337	10 x 12.5	576	10 x 16	706	10 x 20	823	12.5 x 25	987
470	477	10 x 16	753	10 x 20	811	12.5 x 20	1153	16 x 25	1394
680	687	10 x 20	988	12.5 x 20	988	12.5 x 25	1512	16 x 30	1400
1000	108	12.5 x 20	1407	12.5 x 25	1715	16 x 25	2037	18 x 35	1995
2200	228	16 x 25	2134	16 x 30	2320	18 x 35	2300		
3300	338	16 x 30	2338	18 x 35	3218	18 x 40	2500		
4700	478	18 x 35	3400	18 x 40	3336				
5600	568	18 x 40	3411						
6800	688	18 x 40	3500						

Maximum Allowable Ripple Current (mArms) at 85°C 120Hz

Case Size Φ D x L (mm)

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.

STANDARD RATINGS

Voltage (Code)		160V (2C)		200V (2D)		250V (2E)		350V (2V)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
3.3	335							8 x 12	56
4.7	475							10 x 12.5	77
10	106	8 x 12	82	8 x 12	90	10 x 12.5	113	10 x 16	120
22	226	10 x 16	150	10 x 16	168	10 x 20	185	12.5 x 20	233
33	336	10 x 20	243	10 x 20	245	10 x 20	198	16 x 25	312
47	476	10 x 20	307	12.5 x 20	343	12.5 x 20	235	16 x 25	413
68	686	12.5 x 20	350	12.5 x 25	350	16 x 25	380	16 x 25	450
100	107	12.5 x 25	541	16 x 25	601	16 x 25	572	18 x 35	518
220	227	16 x 30	976	16 x 35	1138				
330	337	18 x 35	1346	18 x 35	1324				

Maximum Allowable Ripple Current (mArms) at 85°C 120Hz

Case Size Φ D x L (mm)

Voltage (Code)		400V (2G)		450V (2W)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current
2.2	225	8 x 12	47	8 x 12	40
3.3	335	8 x 12	55	10 x 12.5	54
4.7	475	10 x 12.5	73	10 x 16	72
10	106	10 x 16	120	10 x 20	98
22	226	12.5 x 20	230	12.5 x 25	202
33	336	16 x 25	345	16 x 25	271
47	476	16 x 25	437	16 x 30	355
68	686	16 x 30	500	18 x 35	360
82	826	16 x 30	550	18 x 40	385
100	107	18 x 35	720		

Maximum Allowable Ripple Current (mArms) at 85°C 120Hz

Case Size Φ D x L (mm)

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient

Rated Voltage	Coefficient Cap (μF)	Freq. (Hz)	50	120	300	1k	10k~
6.3~100V	≤47		0.75	1.00	1.35	1.57	2.00
	68~470		0.80	1.00	1.23	1.34	1.50
	≥560		0.85	1.00	1.10	1.13	1.15
160~450V	2.2~220		0.80	1.00	1.25	1.40	1.60
	≥270		0.90	1.00	1.10	1.13	1.15

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Part Number System (產品編碼)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
E G S			1 0 5			M	1 H		D 1 1			T C		S A		P		
SERIES			CAPACITANCE			TOLERANCE		VOLTAGE		CASE SIZE			TYPE		SAMXON PRODUCT LINE		SLEEVE MATERIAL	
Series	Cap (uF)	Code	Tol. (%)	Code	Vol. (W.V.)	Code	Case Size		Feature		Code	SAMXON Product Line		Sleeve Material		Code		
EKF	0.1	104	±5	J	2	0D	Diameter(Φ)	Code	Radial bulk	RR	For internal use only (The product lines we have H,A,B,C,D,E,M or 0,1,2,3,4,5,9).	PET		PVC	If the sleeve material is PVC, there will be blank in seventeenth digit.	P		
EKS			2.5	0E	3	B												
EGS			4	0G	3.5	1												
EKM	0.22	224	±10	K	4	0G	4	C	Ammo Taping		2.0mm Pitch	TT						
EKG			6.3	0J	5	D												
EOM			8	0K	6.3	E												
EGF	0.33	334	±15	L	10	1A	8	F	2.5mm Pitch	TU	3.5mm Pitch	TV						
EGT			12.5	1B	10	G												
ESH			16	1C	12.5	I												
ESF	0.47	474	±20	M	20	1D	13	J	5.0mm Pitch	TC	Lead Cut & Form							
EGK			25	1E	14	4												
ESK			30	1I	14.5	A												
ERS	1	105	-40 0	W	30	1I	16	K	CB-Type	CB	CE-Type	CE						
EGY			32	13	16.5	7												
ERF			35	1V	18	L												
ERR	2.2	225	-20 0	A	40	1G	18.5	8	HE-Type	HE	KD-Type	KD						
ERT			42	1M	20	M												
ERE			47	1H	22	N												
ERD	3.3	335	-20 +10	C	50	1H	25	O	FD-Type	FD	EH-Type	EH						
ERH			57	1L	30	P												
EBD			63	1J	34	W												
ERA	4.7	475	-20 +40	X	71	1S	35	Q	PCB Terminal		Snap-in	SW						
ERB			75	1T	40	R												
ERC			80	1K	42	4												
EFA	10	106	-20 +50	S	85	1R	45	6	Lug	SG		O5						
ENP			90	19	51	S												
ENH			100	2A	63.5	T												
ERW	22	226	-10 0	B	90	19	76	U	Screw	O6		O6						
ERY			120	2O	80	8												
ELP			125	2B	85	6												
EAP	330	337	-10 +50	T	150	2Z	100	Z										
EQP			160	2C	4.5	45												
EDP			180	2P	5	05												
ETP	470	477	+13 +50	E	200	2D	5.4	54										
EHP			215	22	7	07												
EUP			220	2N	7.7	77												
EKP	2200	228	-5 +15	F	215	22	10.2	T2										
EPK			220	2N	11	11												
EEP			230	23	11.5	1A												
EFP	22000	229	0 +20	R	250	2E	12	12										
ESP			275	2T	12.5	1B												
EVP			275	2T	13	13												
EGP	33000	339	-5 +20	G	275	2T	13.5	1C										
EWR			300	2I	20	20												
EWI			310	2R	25	25												
EWT	47000	479	0 +30	O	315	2F	29.5	2J										
EWX			330	2U	30	30												
EWV			350	2V	31.5	3A												
EWL	100000	10T	0 +50	I	350	2V	35	35										
EWV			360	2X	35.5	3E												
EWX			375	2Q	50	50												
EWV	150000	15T	0 +50	I	375	2Q	80	80										
EWX			385	2Y	100	1L												
EWV			400	2G	105	1K												
EWL	220000	22T	+5 +15	Z	420	2M	110	1M										
EWB			450	2W	120	1N												
VSS			500	2H	130	1P												
VKS	330000	33T	+5 +20	D	550	25	140	1Q										
VKM			600	26	150	1R												
VRL			630	2J	155	1E												
VZS	1000000	10M	+10 +50	H			160	15										
VRF					165	1F												
					170	1T												
	1500000	15M					180	1U										
					190	1V												
					200	2L												
	2200000	22M					215	2A										
					210	2M												
					220	2N												
	3300000	33M					240	2Q										
					250	2R												
					260	2S												
							270	2T										