

7(9)mmL(高), High C/V(高C/V化)

FEATURES

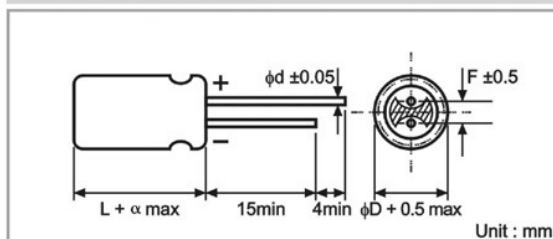
1. The SS series is employing etched foils for higher gain effect.
2. Designed for use in VTRs, car radios, car stereos, micro-cassette tape recorders, pocket calculators and watches.



SPECIFICATIONS

Item	Performance Characteristics									
Operating Temperature Range	-40 to +85°C									
Rated Working Voltage Range	6.3 to 50V									
Nominal Capacitance Range	0.1 to 470μF									
Capacitance Tolerance	±20% (120Hz, +20°C)									
Leakage Current	I ≤ 0.01CV or 3(μA) whichever is greater measured after 2 minutes application of rated working voltage at +20°C									
tan δ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16	25	35	50			
	tan δ (max.)	0.24	0.20	0.16	0.14	0.12	0.10			
Low Temperature Characteristics	Impedance ratio max. at 120Hz									
	Working Voltage (V)	6.3	10	16	25	35	50			
	Z-25°C / Z+20°C	4	3	2	2	2	2			
	Z-40°C / Z+20°C	8	6	4	4	3	3			
High Temperature Loading	Test conditions					Post test requirements at +20°C				
	Duration : 2000 hours					Leakage current : ≤ Initial specified value				
	Ambient temp. : +85°C					Cap. change : within ±20% of initial measured value				
	Applied voltage : Rated DC working voltage with rated ripple current					tan δ : ≤ 200% of initial specified value				
Shelf Life	Test conditions					Post test requirements at +20°C				
	Duration : 1000 hours					Leakage current : ≤ Initial specified value				
	Ambient temp. : +85°C					Cap. change : within ±20% of initial measured value				
	Applied voltage : (None)					tan δ : ≤ 200% of initial specified value				
Others	JIS C - 5101 (IEC 60384)									

CASE SIZE TABLE



ϕD	4	5	6.3	8(L=7)	8(L=9)
F	1.5	2.0	2.5	3.5	3.5
ϕd	0.45			0.45	0.50
α	(L ≤ 7) 1			(L ≥ 9) 1.5	

RIPPLE CURRENT MULTIPLIER

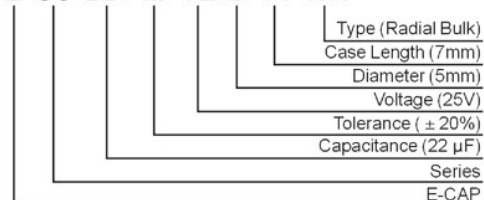
Frequency Coefficient

Cap(μF)	Coefficient	Freq.(Hz)	50	120	300	1k	10k~
	≤ 47		0.75	1.00	1.35	1.57	2.00
	68~470		0.80	1.00	1.23	1.34	1.50

PART NUMBER SYSTEM (EXAMPLE:25V22 μ F)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

E SS 226 M 1E D 07 RR



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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
0.1	104								
0.22	224								
0.33	334								
0.47	474								
1	105								
2.2	225								
3.3	335								
4.7	475								
10	106					4 x 7	28	4 x 7	28
22	226	4 x 7	34	4 x 7	35	4 x 7	39	4 x 7	42
33	336	4 x 7	40	4 x 7	43	(4) 5 x 7	(45) 59	5 x 7	58
47	476	4 x 7	48	(4) 5 x 7	(45) 59	5 x 7	65	6.3 x 7	71
100	107	5 x 7	78	(5) 6.3 x 7	(74) 87	6.3 x 7	98	8 x 7 (9)	115 (130)
220	227	6.3 x 7	120	(6.3) 8 x 7	(138) 145	8 x 9	186		
330	337	8 x 7 (9)	180 (204)	8 x 7	201				
470	477	8 x 7 (9)	215 (243)						

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

Case Size φD x L(mm)

Voltage (Code)		35V (1V)		50V (1H)					
Cap.(μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current				
0.1	104			4 x 7	1.0				
0.22	224			4 x 7	2.3				
0.33	334			4 x 7	3.5				
0.47	474			4 x 7	5.0				
1	105			4 x 7	10				
2.2	225			4 x 7	19				
3.3	335			4 x 7	24				
4.7	475	4 x 7	24	4 x 7	28				
10	106	4 x 7	31	5 x 7	38				
22	226	5 x 7	52	6.3 x 7	58				
33	336	6.3 x 7	65	8 x 7 (9)	75 (85)				
47	476	6.3 x 7	74	8 x 9	101				
100	107	8 x 9	141						

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

Case Size φD x L(mm)