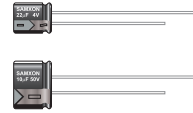


5mmL(高), +105°C

FEATURES

1. Super miniature, 5mmL, high temperature, suit for use in electronic circuit of high density assembly of videocorder, remote controller, VCD etc.



SPECIFICATIONS

Item	Performance Characteristics							
Operating Temperature Range	-40 to +105°C							
Rated Working Voltage Range	4 to 50V							
Nominal Capacitance Range	0.1 to 100μF							
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							
Dissipation Factor tan δ (120Hz, +20°C)	Working Voltage (V)	4	6.3	10	16	25	35	50
	tan δ (max.)	0.37	0.28	0.24	0.20	0.16	0.13	0.12
Low Temperature Characteristics	Impedance ratio max. at 120Hz							
	Working Voltage (V)	4	6.3	10	16	25	35	50
	Z-25°C / Z+20°C	6	3	3	2	2	2	2
	Z-40°C / Z+20°C	12	8	5	4	3	3	3
High Temperature Loading	Test conditions				Post test requirements at +20°C			
	Duration : 1000 hours	Ambient temp. : +105°C			Applied voltage : Rated DC working voltage			Leakage current : ≤ Initial specified value
Shelf Life	Test conditions				Post test requirements at +20°C			
	Duration : 1000 hours	Ambient temp. : +105°C			Applied voltage : (None)			Leakage current : ≤ Initial specified value
Others	JIS C - 5141 JIS C - 5102							

CASE SIZE TABLE

φD	4	5	6.3					
F	1.5	2.0	2.5					
φd	0.45							

RIPPLE CURRENT MULTIPLIER

Temperature Coefficient						Frequency Coefficient						
Temperature(°C)	~ 55	60	70	85	105	Cap(μF) \ Freq.(Hz)	50	120	300	1K	10K ~	
Factor	2.23	2.17	2.00	1.75	1.00		≤ 47	0.75	1.00	1.35	1.57	2.00
							47 ~ 100	0.80	1.00	1.23	1.34	1.50

5mmL(高), +105°C

DIMENSIONS

Voltage (Code)		4V (0G)		6.3V (0J)		10V (1A)		16V (1C)	
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 5	18
22	226	4 x 5	22	4 x 5	22	5 x 5	27	5 x 5	30
33	336	5 x 5	30	5 x 5	30	5 x 5	35	6.3 x 5	40
47	476	5 x 5	36	5 x 5	36	6.3 x 5	46	6.3 x 5	50
100	107	6.3 x 5	60	6.3 x 5	60				

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size φD x L(mm)

Voltage (Code)		25V (1E)		35V (1V)		50V (1H)			
Cap.(μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current		
0.1	104					4 x 5	1.0		
0.22	224					4 x 5	2.6		
0.33	334					4 x 5	3.2		
0.47	474					4 x 5	3.8		
1	105					4 x 5	6.2		
2.2	225			4 x 5	7	4 x 5	11		
3.3	335			4 x 5	11	4 x 5	14		
4.7	475	4 x 5	13	4 x 5	15	5 x 5	19		
10	106	5 x 5	23	5 x 5	25	6.3 x 5	30		
22	226	6.3 x 5	38	6.3 x 5	48				
33	336	6.3 x 5	48						
47	476								
100	107								

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size φD x L(mm)

KF

Miniature Aluminum Electrolytic Capacitors