

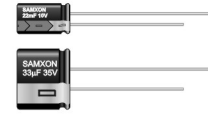
ZS Series

SAMXON®

7mmL(高), +105°C, Low Impedance(低阻抗品)

FEATURES

1. Low impedance, with 7mm height, wide operating temperature range



SPECIFICATIONS

Item	Performance Characteristics					
Operating Temperature Range	-40 to +105°C					
Rated Working Voltage Range	6.3 to 35V					
Nominal Capacitance Range	6.8 to 220μF					
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)	6.3	10	16	25	35
	tan δ (max.)	0.18	0.16	0.14	0.12	0.12
Low Temperature Characteristics	Impedance ratio max. at 120Hz					
	Working Voltage (V)	6.3	10	16	25	35
	Z-25°C / Z+20°C	2	2	2	2	2
	Z-40°C / Z+20°C	3	3	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 with rated ripple current	
Shelf Life	Test conditions			Post test requirements at +20°C		
	Duration : 1000 hours	Ambient temp. : +105°C			Applied voltage : (None)	
Others	JIS C - 5101 (IEC 60384)					

CASE SIZE TABLE

	φD	4	5	6.3	8				
	F	1.5	2.0	2.5	3.5				
	φd			0.45	0.50				

RIPPLE CURRENT MULTIPLIER

Temperature Coefficient						Frequency Coefficient						
Temperature(°C)	~ 55	60	70	85	105	Cap(μF)	Freq.(Hz)	120	1K	10K	100K	
Factor	2.23	2.17	2.00	1.75	1.00			~ 180	0.40	0.75	0.90	1.00
								220 ~ 560	0.50	0.85	0.94	1.00

ZS

Miniature Aluminum Electrolytic Capacitors

7mmL(高), +105°C, Low Impedance(低阻抗品)

DIMENSIONS

Voltage (Code)		6.3V (0J)			10V (1A)			16V (1C)		
Cap.(μF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
6.8	685									
10	106									
15	156							4 x 7	3.3	70
22	226				4 x 7	3.3	70	5 x 7	1.7	110
33	336	5 x 7	1.7	110	5 x 7	1.7	110	6.3 x 7	0.8	160
47	476	5 x 7	1.7	110	6.3 x 7	0.8	160	6.3 x 7	0.8	160
68	686	6.3 x 7	0.8	160	6.3 x 7	0.8	160	8 x 7	0.5	200
100	107	6.3 x 7	0.8	160	8 x 7	0.5	200	8 x 7	0.5	200
150	157	8 x 7	0.5	200	8 x 7	0.5	200			
220	227	8 x 7	0.5	200						

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz

Case Size φD x L(mm)

Maximum Impedance (Ω) at 20°C 100KHz

Voltage (Code)		25V (1E)			35V (1V)					
Cap.(μF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current			
6.8	685				4 x 7	3.3	70			
10	106	4 x 7	3.3	70	5 x 7	1.7	110			
15	156	5 x 7	1.7	110	6.3 x 7	0.8	160			
22	226	5 x 7	1.7	110	6.3 x 7	0.8	160			
33	336	6.3 x 7	0.8	160	8 x 7	0.5	200			
47	476	8 x 7	0.5	200						
68	686	8 x 7	0.5	200						

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz

Case Size φD x L(mm)

Maximum Impedance (Ω) at 20°C 100KHz