FEATURES

- Designed for high grade audio equipment, giving priority to high fidelity sound quality.
- Suitable for use in mini-compos, CD, DAT players, cassette decks and etc.

SPECIFICATIONS

Item	Performance Characteristics
Operating Temperature Range	-40 to +85˚C
Rated Working Voltage Range	16 to 100V
Nominal Capacitance Range	680 to 10000μF
Capacitance Tolerance	±20% at 120Hz, +20˚C
Leakage Current	I ≤3$\sqrt{CV}$ (μA) after 5 minutes application of rated working voltage at +20˚C
tan δ (120Hz, +20˚C)	Working Voltage (V): 16 / 25~63 / 80~100 tan δ (max.): 0.30 / 0.25 / 0.22
Low Temperature Characteristics	Impedance ratio max. at 120Hz Working Voltage (V): 16~100 Z-25˚C / Z+20˚C: 4 Z-40˚C / Z+20˚C: 15
High Temperature Loading	Test time : 1,000 hours Test temperature : +85˚C Test condition : Rated DC working voltage with rated ripple current Post test requirements at +20˚C Leakage current : ≤Initial specified value Cap. change : within ±20% of the initial measured value tan δ : ≤200% of the initial specified value
Shelf Life	At +85˚C no voltage applied after 1,000 hours and then being stabilized at +20˚C the capacitors shall meet the following limits Leakage current : ≤Initial specified value Cap. change : within ±20% of the initial measured value tan δ : ≤200% of the initial specified value
Industrial Standard	JIS C - 5101-4 (IEC 60384-4)

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient

Coefficient / Freq. (Hz) / Rated Voltage	60	120	1k	10k~50k
16~100V	0.90	1.00	1.15	1.25

PART NUMBER SYSTEM (EXAMPLE : 16V 4700μF)

1	2 3	4 5 6	7	8 9	10	11 12	13 14
E	AP	478	M	1C	N	25	SW

- 13 14: Type (Terminal Code)
- 11 12: Case Length (25mm)
- 10: Diameter (22mm)
- 8 9: Voltage (16V)
- 7: Tolerance (±20%)
- 4 5 6: Capacitance (4700μF)
- 2 3: Series
- 1: E-CAP

SAMXON®
Aluminum Electrolytic Capacitors

Lug / Snap-in Terminal Type (插入/自立型), For Audio (音響電容)

STANDARD RATINGS

Voltage (Code)		16V (1C)		25V (1E)		35V (1V)		63V (1J)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
680	687							22 x 25	0.75
1000	108							22 x 30	1.00
								25 x 25	1.00
1500	158					22 x 25	1.15	22 x 35	1.30
								25 x 30	1.30
								30 x 25	1.35
2200	228			22 x 25	1.35	22 x 30	1.50	22 x 45	1.75
								25 x 40	1.80
						25 x 25	1.50	30 x 30	1.75
								35 x 25	1.80
3300	338	22 x 20	1.35	22 x 30	1.80	22 x 35	1.95	25 x 50	2.45
				25 x 25	1.80	25 x 30	1.95	30 x 40	2.45
						30 x 25	2.00	35 x 30	2.40
4700	478	22 x 25	1.80	22 x 35	2.30	22 x 45	2.55	30 x 50	3.20
				25 x 30	2.30	25 x 40	2.65		
				30 x 25	2.40	30 x 30	2.60	35 x 40	3.20
						35 x 25	2.65		
6800	688	22 x 35	2.25	22 x 45	2.75	25 x 50	3.10	35 x 50	3.75
		25 x 30	2.25	25 x 40	2.80	30 x 40	3.10		
				30 x 30	2.75				
		30 x 25	2.35	35 x 25	2.85	35 x 30	3.00		
10000	109	22 x 45	2.50	25 x 50	3.10	30 x 50	3.40		
		25 x 35	2.50						
		30 x 30	2.50	30 x 40	3.10	35 x 40	3.40		
		35 x 25	2.60	35 x 30	3.00				

Maximum Allowable Ripple Current (Arms) at 85˚C 120Hz

Case Size ΦD x L (mm)

Voltage (Code)		80V (1K)		100V (2A)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current
680	687	22 x 30	0.90	22 x 35	0.95
		25 x 25	0.90	25 x 30	1.00
				30 x 25	1.00
1000	108	22 x 35	1.20	22 x 50	1.35
				25 x 40	1.35
		25 x 30	1.20	30 x 30	1.35
		30 x 25	1.25	35 x 25	1.35
1500	158	22 x 50	1.70	25 x 50	1.80
		25 x 40	1.65		
		30 x 30	1.65	30 x 40	1.85
		35 x 25	1.65	35 x 25	1.35
2200	228	25 x 50	2.20	30 x 50	2.45
		30 x 40	2.20		
		35 x 30	2.15	35 x 40	2.45
3300	338	30 x 50	3.00	35 x 40	2.45
		35 x 40	2.95		
4700	478	35 x 50	3.90		

Maximum Allowable Ripple Current (Arms) at 85˚C 120Hz

Case Size ΦD x L (mm)