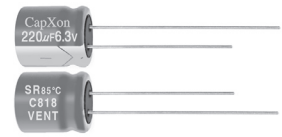


# CapXon SR Series

## SR Series 7mm 85°C

### Features

- ◆ Design for audio equipment.
- ◆ Lineally suited for very compact audio products.
- ◆ For detail specifications, please refer to Engineering Bulletin NO.E151
- ◆ RoHS Compliant



### Specifications

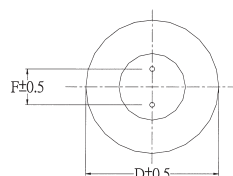
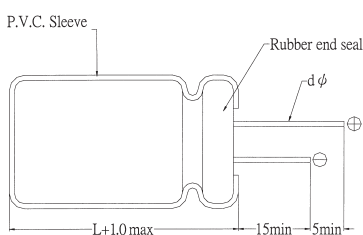
Item	Performance Characteristics
Operating Temperature Range	-40~+85°C
Rated Voltage Range	6.3~50 VDC
Capacitance Range	0.1 to 220 µF
Capacitance Tolerance	±20%(120Hz,+20°C)
Leakage Current (+20°C,max.)	I=0.01 CV or 3 (µA) (After 2 minute with rated working voltage applied.)
Dissipation Factor (tan δ , at 20°C , 120Hz)	Working Voltage(VDC) 6.3 10 16 25 35 50
	D.F.(%)max. 24 20 16 14 12 10
Low Temperature Characteristics (at 120Hz)	Impedance ratio max
	Working voltage(VDC) 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
Load Life	Test condition Duration time :1000 Hrs Ambient temperature :+85°C Applied voltage :Rated DC working voltage After test requirement at +20°C Capacitance change : ≤ ±20% of the initial measured value Dissipation factor : ≤ 200% of the initial specified value Leakage current : ≤ The initial specified value
	Shelf Life Test condition Duration time :1000 Hrs Ambient temperature :+85°C Applied voltage :None After test requirement at +20°C:Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.

For Audio Equipment

### Multiplier for Ripple Current vs. Frequency

CAP(µF) \ (Hz)	50	120	300	1K	10K
Multiplier	0.70	1.00	1.17	1.36	1.50

### Diagram of Dimension:(unit:mm)



Dψ	4	5	6.3
F	1.5	2.0	2.5
dψ	0.45		0.50

# CapXon SR Series

## Case Size

φ D×L(mm)

Cap(μF)	WV(SV)	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1												4×7	1.1
0.22												4×7	2.6
0.33												4×7	3.5
0.47												4×7	5.0
1												4×7	10
2.2												4×7	18
3.3												4×7	23
4.7										4×7	23	4×7	26
10						4×7	28	4×7	29	4×7	31	5×7	35
22		4×7	34	4×7	35	4×7	39	5×7	49	5×7	49	6.3×7	58
33		4×7	40	4×7	45	5×7	55	5×7	55	6.3×7	65		
47		4×7	47	5×7	59	5×7	65	6.3×7	71				
100		5×7	76	6.3×7	88	6.3×7	98						
220		6.3×7	124										

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