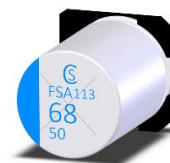


CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS



FSA Series

- Low ESR at a high frequency range
- High ripple current capability
- Load life 4,000 hours at 125°C

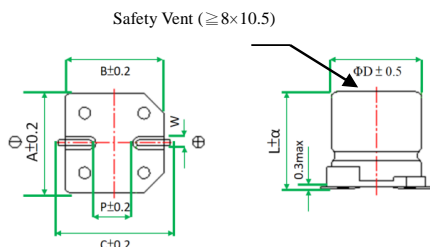


◆ SPECIFICATIONS

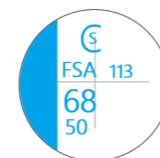
Item	Performance Characteristics	
Category Temperature Range	-55 ~ +125°C	
Working Voltage Range	35 ~ 80Vdc	
Surge Voltage	Rated Voltage × 1.15	
Capacitance Range	33 ~ 270 μF	
Capacitance Tolerance	±20% (at 25°C and 120Hz)	
Dissipation Factor (tanδ)	See the standard ratings table (at 25°C, 120Hz).	
Leakage Current ※ 1	See the standard ratings table (Impress the rated voltage for 2 minutes)	
Low Temperature Characteristics Impedance Ratio	Z(-25°C)/Z(+20°C) ≤ 1.5 at 100KHz Z(-55°C)/Z(+20°C) ≤ 2.0 at 100KHz	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 4,000 hours at 125°C.	
	Capacitance change	≦ ±30% of the initial value
	Dissipation factor(tanδ)	≦ 200% of the specified value
	ESR	≦ 200% of the specified value
	Leakage current	≦ specified value
Damp Heat (Steady State)	The following requirements shall be satisfied when the capacitor are restored to 25°C after exposing them for 1,000 hours at 85°C 85% RH.	
	Capacitance change	≦ ±30% of the initial value
	Dissipation factor(tanδ)	≦ 200% of the specified value
	Leakage current	≦ specified value
Other	Conforms to JIS-C-5101-18-2 (1999)	

◆ DIMENSIONS (mm)

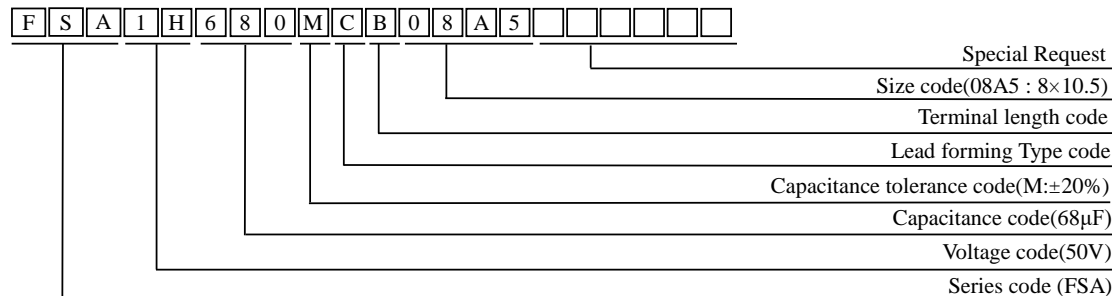
◆ MARKING



Code	Size	ΦD	L	α	A	B	C	W	P
08A5	8×10.5	8.0	10.5	0.5	8.3	8.3	9.0	0.7~1.1	3.2
10A5	10×10.5	10.0	10.5	0.5	10.3	10.3	11.0	0.7~1.1	4.6



◆ PART NUMBER SYSTEM (Example : 50V 68μF)



CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS



FSA Series

◆ STANDARD RATINGS

WV (Vdc)	Cap (μ F)	Case Size (mm) Φ D×L	ESR 100~300KHz (m Ω max)	Rated Ripple current (mArms/ 125°C, 100KHz)	Tan δ max	Leakage Current (μ A max)	Part Number
35 (1V)	150	8×10.5	27	1600	0.12	52.5	FSA1V151MCB08A5
	270	10×10.5	20	2000	0.12	94.5	FSA1V271MCB10A5
50 (1H)	68	8×10.5	30	1250	0.10	34	FSA1H680MCB08A5
	100	10×10.5	28	1600	0.10	50	FSA1H101MCB10A5
63 (1J)	33	8×10.5	40	1100	0.08	20.8	FSA1J330MCB08A5
	56	10×10.5	30	1400	0.08	35.3	FSA1J560MCB10A5
80(1K)	47	10×10.5	36	1360	0.08	37.6	FSA1K470MCB10A5