

AS Series

Features

Low ESR ,Long Life
High Voltage



- ☆ Voltage Range: 16 to 100Vdc, Capacitance Range: 10 to 560μF
- ☆ Endurance Range: 105℃ 3,000 hours to 10,000 hours
- ☆ RoHS Compliant

Specifications

Items	Conditions	Specifications								
Rated Voltage (V)	—	16	25	35	40	50	63	80	100	
Surge Voltage (V)	Room Temperature	20	32	44	50	63	79	100	125	
Category Temperature Range (℃)	—	-55 to +105								
Capacitance Tolerance (%)	120Hz, +20℃	M:±20								
Dissipation Factor (tanδ)	tanδ(max)120Hz, +20℃	0.16								
Leakage Current (LC)	μA/after 2minutes, +20℃	0.01CV or 3 μA, whichever is greater								
Endurance	105℃ rated voltage applied (with the rated ripple current)	Test	16V	φ6.3: 3,000hours,D≥φ8: 7,000hours						
			25V≤	φ6.3: 5,000hours,D≥φ8: 10,000hours						
		ΔC/C	Within ±30% of the initial value							
		tanδ	Less than 200% of the specified value							
		ESR	Less than 200% of the specified value							
		LC	Less than the specified value							

Standard Products

W.V. (V)	CAP (±20%) (μF)	SIZE		Rated Ripple Current (+105℃) (100kHz) (mAr.m.s)	tanδ (+20℃) (100kHz)	ESR (+20℃) (100kHz) (mΩ)	Leakage Current (μA/2min)
		φD (mm)	L (mm)				
16	120	6.3	8	1500	0.16	40	19.2
	270	8	9	2000	0.16	26	43.2
	470	10	10	2600	0.16	21	75.2
	560	10	12.5	3000	0.16	15	89.6
25	68	6.3	8	1400	0.16	45	17.0
	150	8	9	1900	0.16	27	37.5
	270	10	10	2530	0.16	22	67.5
	330	10	12.5	2900	0.16	16	82.5
35	47	6.3	8	1300	0.16	60	16.5
	100	8	9	1800	0.16	30	35.0
	150	10	10	2470	0.16	23	52.5
	220	10	12.5	2830	0.16	17	77.0
40	27	6.3	8	1250	0.16	70	10.8
	56	8	9	1750	0.16	32	22.4
	100	10	10	2400	0.16	24	40.0
	120	10	10	2750	0.16	18	48.0
50	15	6.3	8	1200	0.16	80	7.5
	33	8	9	1670	0.16	35	16.5
	56	10	10	2320	0.16	25	28.0
	82	10	12.5	2650	0.16	19	41.0
63	10	6.3	8	1060	0.16	100	6.3
	22	8	9	1560	0.16	40	13.9
	33	10	10	2100	0.16	30	20.8
	47	10	10	2100	0.16	30	29.6
	56	10	12.5	2400	0.16	22	35.3
80	12	10	10	1600	0.16	70	9.6
	15	10	10	1600	0.16	70	12.0
	18	10	12.5	1830	0.16	50	14.4
100	10	10	10	1450	0.16	80	10.0
	12	10	10	1450	0.16	80	12.0
	15	10	12.5	1660	0.16	60	15.0