

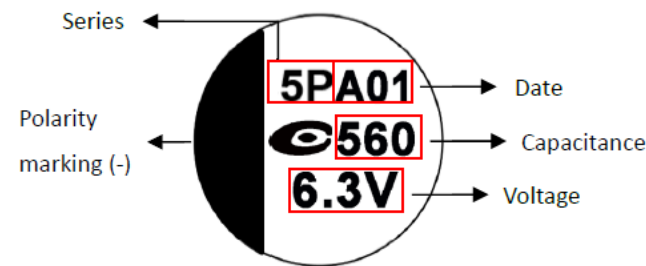
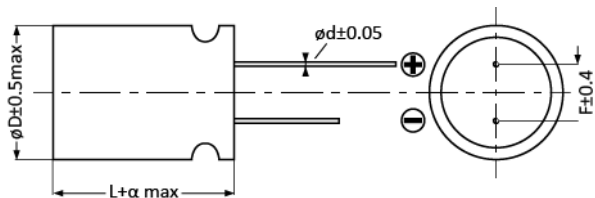
AR5P Series **Power Supply**

- Rated voltage: 6.3~35Vdc
- Endurance 5000hrs at 105°C
- Suitable for AC-DC DC-DC converters, voltage regulators and decoupling applications
- RoHS Compliant



Specification			
Category Temperature Range	-55 to 105°C	Rated Voltage Range	6.3 to 35Vdc
Rated Capacitance Range	330 to 2500 (μF)	Capacitance Tolerance	±20% (M)
Surge Voltage	Rated voltage X 1.15 (at 105°C)	Dissipation Factor	0.1 max. (at 20°C 120Hz)
Leakage Current	Shall not exceed values shown in standard ratings. (at 20°C after 2 mins.)		
Endurance	105°C, 5000hrs, rated voltage applied		
	Appearance	No significant damage	
	Capacitance Change	≤ ±20% of the initial value	
	DF(tanδ)	≤ 150% of the initial specified value	
	ESR	≤ 150% of the initial specified value	
	Leakage current	≤ The initial specified value	
Damp Heat (Steady State)	60°C, 90 to 95% RH, 1000hrs, voltage applied		
	Appearance	No significant damage	
	Capacitance Change	≤ ±20% of the initial value	
	DF(tanδ)	≤ 150% of the initial specified value	
	ESR	≤ 150% of the initial specified value	
	Leakage current	≤ The initial specified value	
Surge Voltage	2,000 cycles and each one includes charge with surge voltage specified at 105°C for 0.5min through a protective resistor (R=1kΩ) and discharge for 5.5min.		
	Appearance	No significant damage	
	Capacitance Change	≤ ±20% of the initial value	
	DF(tanδ)	≤ 150% of the initial specified value	
	ESR	≤ 150% of the initial specified value	
	Leakage current	≤ The initial specified value	

Dimensions and Marking



SIZE Code	øD±0.5 max	L	α	ød ±0.05	F±0.4
06X8	6.3	8.0	-0.5~1	0.6	2.5
08X8	8.0	8.0	-0.5~1	0.6	3.5
08A2	8.0	12.0	-0.5~1	0.6	3.5
08A6	8.0	16.0	-0.5~1	0.6	3.5
10A2	10.0	12.0	-0.5~1	0.6	5.0
10A6	10.0	16.0	-0.5~1	0.6	5.0
10B0	10.0	20.0	-0.5~1	0.6	5.0



AR5P Series Power Supply

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	ESR (mΩmax/20%, 100k to300kHz)	Rated Ripple Current (mArms/ 105°C/100kHz)	Part No.
6.3 (7.2)	470	06X8	592	8	4,700	6R3AR5P471M06X8
	560	06X8	705	8	4,700	6R3AR5P561M06X8
	820	06X8	1,033	8	4,700	6R3AR5P821M06X8
	1,000	08A2	1,260	7	6,100	6R3AR5P102M08A2
16 (18.4)	330	08X8	1,056	13	4,700	160AR5P331M08X8
	470	08X8	1,505	16	4,000	160AR5P471M08X8
	470	08A2	1,505	10	5,230	160AR5P471M08A2
	470	10A2	1,505	10	6,100	160AR5P471M10A2
	560	08A2	1,792	14	4,950	160AR5P561M08A2
	680	08A2	2,176	10	5,230	160AR5P681M08A2
	820	08A2	2,624	10	5,230	160AR5P821M08A2
	1,000	08A6	3,200	10	6,100	160AR5P102M08A6
	1,000	10A2	3,200	12	5,400	160AR5P102M10A2
	1,500	10A6	4,800	10	6,600	160AR5P152M10A6
	2,200	10B0	7,040	8	8,100	160AR5P222M10B0
	2,500	10B0	8,000	8	8,100	160AR5P252M10B0
20 (23)	680	10A2	2,720	14	5,100	200AR5P681M10A2
25 (28.8)	470	08A2	2,350	16	4,650	250AR5P471M08A2
	470	10A2	2,350	17	4,650	250AR5P471M10A2
	560	10A2	2,800	14	5,100	250AR5P561M10A2
	680	08A6	3,400	14	5,000	250AR5P681M08A6
	680	10A2	3,400	14	5,100	250AR5P681M10A2
	1,000	10A6	5,000	13	5,200	250AR5P102M10A6
35 (40.3)	330	10A2	2,310	24	3,400	350AR5P331M10A2
	470	10A6	3,290	25	4,000	350AR5P471M10A6
	560	10A6	3,920	23	4,200	350AR5P561M10A6
	680	10B0	4,760	20	4,800	350AR5P681M10B0