

AT Series

Features

125°C, High Reliability
High Ripple Current



- ☆ Voltage Range: 16V to 40Vdc, Capacitance Range: 27 to 560μF
- ☆ Endurance Range: 125°C 2,000 hours to 3,000 hours
- ☆ RoHS Compliant

Specifications

Items	Conditions	Specifications				
Rated Voltage (V)	—	16	25	35	40	
Surge Voltage (V)	Room temperature	20	32	44	50	
Category Temperature Range (°C)	—	-55 to +125				
Capacitance Tolerance (%)	120Hz, +20°C	M:±20				
Dissipation Factor (tanδ)	tanδ(max)120Hz, +20°C	0.16				
Leakage Current(LC)	μA/after 2minutes, +20°C	0.01CV or 3 μA, whichever is greater				
Endurance	125°C rated voltage applied (with the rated ripple current)	Test	16V	φ6.3: 2,000hours, D ≥ φ8: 2,500hours		
			25V ≤	φ6.3: 2,000hours, D ≥ φ8: 3,000hours		
		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°C) (100kHz) (mAr.m.s)	tanδ (+20°C) (100kHz)	ESR (+20°C) (100kHz) (mΩ)	Leakage Current (μA/2min)
		φD (mm)	L (mm)				
16	120	6.3	8	1440	0.16	32	19.2
	270	8	9	1970	0.16	23	43.2
	470	10	10	2620	0.16	18	75.2
	560	10	12.5	3030	0.16	14	89.6
25	68	6.3	8	1380	0.16	35	17.0
	150	8	9	1880	0.16	25	37.5
	270	10	10	2500	0.16	19	67.5
	330	10	12.5	2890	0.16	14	82.5
35	47	6.3	8	1280	0.16	45	16.5
	100	8	9	1780	0.16	28	35.0
	150	10	10	2440	0.16	20	52.5
	220	10	12.5	2800	0.16	15	77.0
40	27	6.3	8	1230	0.16	48	10.8
	56	8	9	1710	0.16	30	22.4
	100	10	10	2360	0.16	21	40.0
	120	10	12.5	2700	0.16	16	48.0