

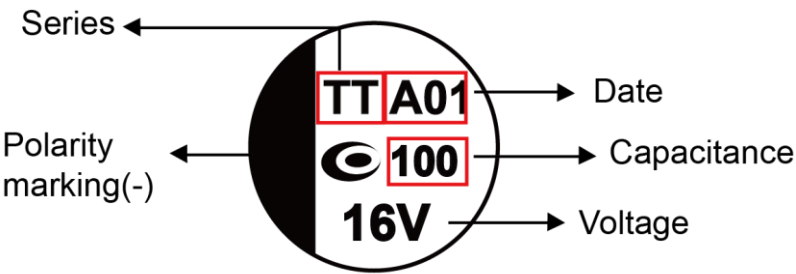
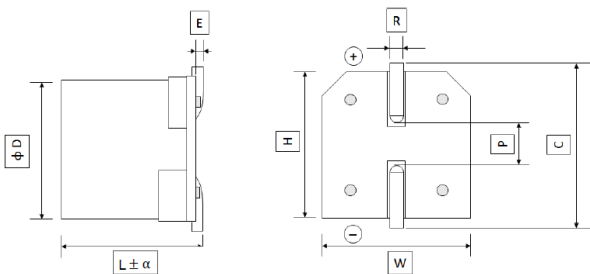
AVTT Series Standard

- Standard SMD type
- Rated Voltage:16Vdc
- Endurance 2000hrs at 125°C
- Suitable for DC-DC converters, voltage regulators and decoupling applications
- RoHS Compliant

Specification

Category Temperature Range	-55~+125°C		Rated Voltage Range	16 Vdc
Rated Capacitance Range	100 to 470 (μF)		Capacitance Tolerance	±20% (M)
Surge Voltage	Rated voltage X 1.15 (at 125°C)		Dissipation Factor	0.12 max. (at 20°C 120Hz)
Leakage Current	Shall not exceed values shown in standard ratings. (at 20°C after 2 mins.)			
Endurance	125°C, 2000hrs, rated voltage applied			
	Appearance	No significant damage		
	Capacitance Change	≤ ±20% of the initial value		
	DF(tanδ)	≤ 200% of the initial specified value		
	ESR	≤ 200% 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	1,000 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	φD±0.5max (mm)	L (mm)	α (mm)	E (mm)	W±0.2 (mm)	H±0.2 (mm)	C±0.2 (mm)	R (mm)	P±0.3 (mm)
0606	6.3	5.8	0.2	0.00~0.20	6.6	6.6	7.3	0.5~0.8	2.1
0810	8	9.7	0.3	0.00~0.20	8.3	8.3	9	0.8~1.1	2.9



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Standard Ratings

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	ESR (mΩmax/20°C, 100k to300kHz)	Rated Ripple Current (mArms/ 105°C /100kHz)	Rated Ripple Current (mArms/ 125°C /100kHz)	Part No.
16 (18.4)	100	0606	320	20	2700	810	160AVTT101M0606
	330	0810	1056	22	2800	840	160AVTT331M0810
	470	0810	1504	16	4000	1200	160AVTT471M0810