

AVEC Series **Standard**

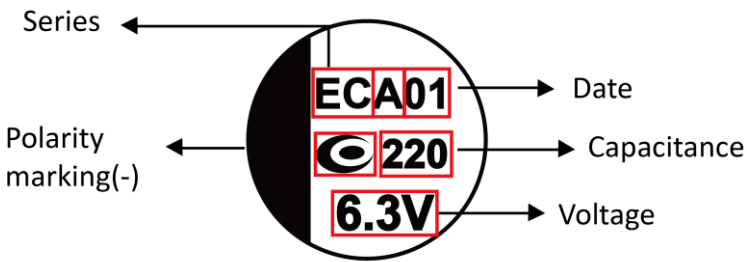
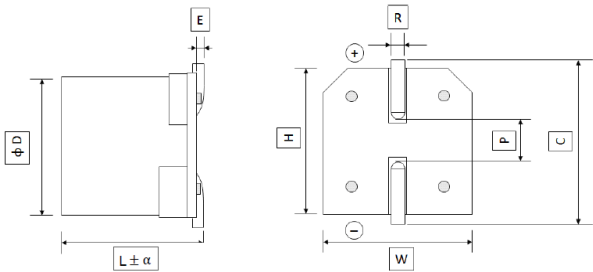
- Standard SMD type
- Rated Voltage:2~6.3Vdc
- Endurance 2000hrs at 105°C
- Suitable for DC-DC converters, voltage regulators and decoupling applications
- RoHS Compliant



Specification

Category Temperature Range	-55~+105°C		Rated Voltage Range	2 to 6.3 Vdc
Rated Capacitance Range	220 to 330 (μF)		Capacitance Tolerance	±20% (M)
Surge Voltage	Rated voltage X 1.15 (at 105°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	105°C, 2000hrs, 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	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)
0506	5.0	5.8	±0.2	0.00~0.20	5.3	5.3	6.0	0.5~0.8	1.4
0606	6.3	5.8	±0.2	0.00~0.20	6.6	6.6	7.3	0.5~0.8	2.1



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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)	Part No.
2 (2.3)	330	0545	700	12	3,300	2R0AVEC331M0545
6.3 (7.2)	220	0606	277	12	3,900	6R3AVEC221M0606
	330	0606	416	10	3,900	6R3AVEC331M0606