

A2 series

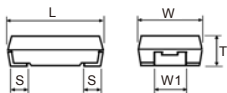
- Endurance: 2,000 hours at 105°C
- Low ESR
- Recommended Applications: System Board, Display Card, Small Charger and intelligent TV
- **RoHS Compliant and lead-free**



SPECIFICATIONS

Items	Characteristics										
Category Temperature Range	-55~+105°C										
Rated Working Voltage Range	2~25 V _{dc}										
Nominal Capacitance Range	6.8~470μF										
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)										
DC Leakage Current	I≤0.1CV W.V.:2V~25V Where, I: Leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)										
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	2	2.5	4	6.3	7.5	10	12.5	16	25	0.10 (at 20°C, 120Hz)
	tanδ (max.)	0.06									
ESR(100k~300kHz, 20°C)	Value in characteristics table										
Temperature Characteristic (Impedance Ratio at 100kHz)	Z(+105°C)/Z(+20°C)≤1.25 Z(-55°C)/Z(+20°C)≤1.25										
Endurance	After applying rated voltage with rated ripple current for 2,000 hours at 105°C, the capacitors shall meet the following requirements.										
	Appearance	No significant damage									
	Capacitance Change	≤±20% of the initial value									
	D. F. (tanδ)	≤150% of the initial specified value									
	Leakage Current	≤The initial specified value									
Humidity Test	After subjecting to 90%~95% RH for 500 hours at 60°C (no voltage), the capacitors shall meet the requirement as Endurance.										
	Rated Voltage(V _{dc})	2~2.5		4		6.3~7.5		8~16		25	
	Capacitance Change	+70,-20%		+60,-20%		+50,-20%		+40,-20%			
	D. F. (tanδ)	≤200% of the initial specified value									
	Leakage Current	≤The initial specified value									
Surge Test	After subjecting to 1,000 cycles each consisting of charge with the surge voltage specified at normal temperature for 30 seconds through a protective resistor and discharge for 5 minutes 30 seconds, the capacitors shall meet the following requirements.										
	Appearance	No significant damage									
	Capacitance Change	≤±20% of the initial value									
	D. F. (tanδ)	≤150% of the initial specified value									
	Leakage Current	≤The initial specified value									

DIMENSIONS[mm]



Case Size	L±0.3(mm)	W±0.2(mm)	T±0.1(mm)	W1±0.2(mm)	S±0.2(mm)
7.3x4.3x2.8	7.3	4.3	2.8	2.4	1.3

MARKING



PART NUMBERING SYSTEM

