

Aluminum Electrolytic Capacitors

YUSCON®

ST Series

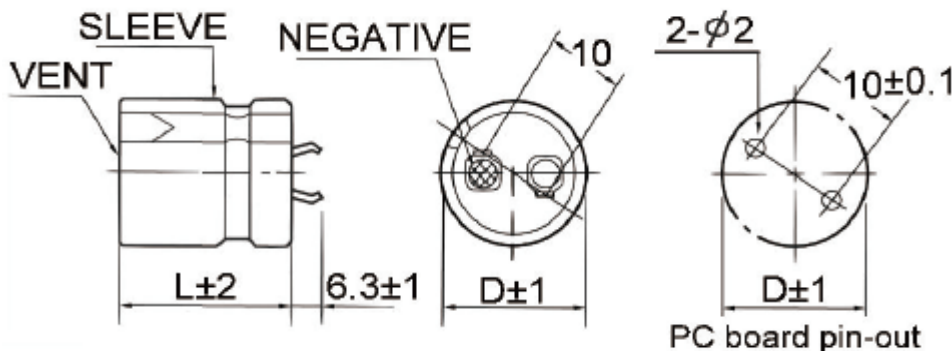
- 20mm height snap-ins
- Endurance with ripple current: 105°C 2000 hours



◆ SPECIFICATIONS

Item	Characteristics	
Category Temperature Range	-25~+105°C	
Voltage Range	160 ~ 400V.DC	
Capacitance Tolerance	±20%(M)	20°C, 120Hz
Leakage Current	$I \leq 3 \sqrt{CV}$	
Dissipation Factor($\tan \delta$) (at 120Hz, 20°C)	I: Leakage Current (μ A) C: Nominal Capacitance (μ F) V: Rated Voltage (V) Rated voltage(V.DC)	160 to 400V (at 20°C after 5min.)
	$\tan \delta$ (max)	0.20
Low Temp. Impedance Stability at 120Hz	Rated voltage(V.DC)	160 to 400V
	Z - 25°C / Z + 20°C	4
High Temp. Load Test	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to Dc voltage with the rated ripple current is applied for 2000 hours at 105°C Capacitance change $\cong \pm 20\%$ of the initial measured value $\tan \delta$ $\cong 200\%$ of the initial specified value Leakage Current \cong the initial specified value	
High Temp. Non-Load Test	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied. Capacitance Change $\cong \pm 15\%$ of the initial measured value $\tan \delta$ $\cong 150\%$ of the initial specified value Leakage Current \cong the initial specified value	

◆ DRAWING



● PERMISSIBLE RIPPLE CURRENT MULTIPLIES

○ Frequency Multipliers

Freq.(Hz)	50	120	300	1K	10K	50K
160~250VDC	0.81	1.00	1.17	1.32	1.45	1.5
400VDC	0.77	1.00	1.16	1.30	1.41	1.43

◆ PART NUMBERING SYSTEM

ST

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Series

Rated Cap.

Cap. Tolerance

Rated Voltage

Case Size D

Case Size L

ST

SERIES

WV(Vdc)	160		180		200		250		400	
	Capacitance (μ F)	Ripple Current (105°C 120Hz)	Capacitance (μ F)	Ripple Current (105°C 120Hz)	Capacitance (μ F)	Ripple Current (105°C 120Hz)	Capacitance (μ F)	Ripple Current (105°C 120Hz)	Capacitance (μ F)	Ripple Current (105°C 120Hz)
22X20	150	0.68	120	0.61	120	0.61	82	0.50	39	0.35
25X20	180	0.79	150	0.73	150	0.73	100	0.59	47	0.40
	220	0.88	180	0.79			120	0.65	56	0.44
30X20	270	0.96	220	0.86	180	0.79	150	0.71	68	0.46
	330	1.06	270	0.96	220	0.9	180	0.79	82	0.51
35X20	390	1.20	330	1.10	270	1.00	220	0.90	100	0.56
			390	1.17	330	1.07			120	0.62

