

ALUMINUM ELECTROLYTIC CAPACITORS

ST series

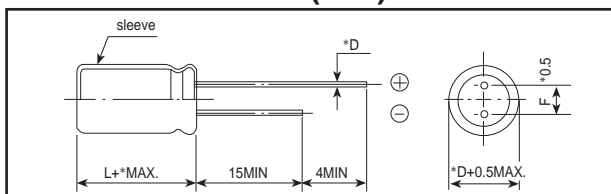
7mm L, ULTRA MINIATURE, HIGH TEMPERATURE 105* TYPE

- Designed for application of circuits at high operating temperature
- Solvent proof

* SPECIFICATIONS

Items	Performance Characteristics																					
Operating Temperature Range	-55~+105*																					
Voltage Range	6.3 ~ 50V																					
Capacitance Range	0.1~220*F																					
Capacitance Tolerance	*20% at 120Hz,25*																					
Leakage Current(MAX)	After 2 minutes application of rated voltage,leakage current is not more than 0.01CV or 3 (*A),whichever is greater.																					
(tan *)	Measurement frequency: 120Hz, Temperature:25* <table border="1"> <tr> <td>Rated voltage(V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>tan*(MAX)</td> <td>0.24</td> <td>0.21</td> <td>0.18</td> <td>0.15</td> <td>0.13</td> <td>0.12</td> </tr> </table>	Rated voltage(V)	6.3	10	16	25	35	50	tan*(MAX)	0.24	0.21	0.18	0.15	0.13	0.12							
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Stability at Low Temperature	Measurement frequency:120Hz <table border="1"> <tr> <td>Rated Voltage(V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Impedance ratio Z(-25*)/Z(+20*)</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>ZT/Z20(MAX) Z(-40*)/Z(+20*)</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	Rated Voltage(V)	6.3	10	16	25	35	50	Impedance ratio Z(-25*)/Z(+20*)	3	2	2	2	2	2	ZT/Z20(MAX) Z(-40*)/Z(+20*)	6	5	4	3	3	3
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Load Life	After 1000 hours' application of rated voltage at 105* capacitors meet the characteristics requirements listed at right. <table border="1"> <tr> <td>Leakage Current</td> <td>Initial specified value or less</td> </tr> <tr> <td>Capacitance Change</td> <td>within *25% of initial value(*16V), within *20% of initial value(*25V).</td> </tr> <tr> <td>tan*</td> <td>200% or less of initial specified value</td> </tr> </table>	Leakage Current	Initial specified value or less	Capacitance Change	within *25% of initial value(*16V), within *20% of initial value(*25V).	tan*	200% or less of initial specified value															
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Shelf Life	After leaving capacitors under no load of 105* for 500 hours and applying voltage according to JIS C-5102 4-3, they meet the specified value for load life characteristics listed above.																					
Standards	According to JIS C-5141																					

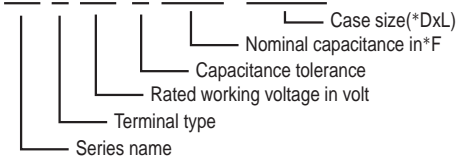
* DIMENSIONS (mm)



*D	4	5	6.3	8
*d	0.45	0.45	0.45	0.5
F	1.5	2.0	2.5	3.5
*	1.0			

CATALOG NUMBERING SYSTEM (Example:16V 100*F)

1 2 3 4 5 6 7 8 9 10 11 12
S T R 1 C M 1 0 0 C 0 7



* RMS RIPPLE CURRENT COEFFICIENT

TEMPERATURE COEFFICIENT

TEMPERATURE	105*	85*	- 55*
MULTIPLIER	1.00	1.70	2.12

FREQUENCY COEFFICIENT

NOMINAL CAPACITANCE(*F)	FREQUENCY				
	60(50)	120	500	1K	10K
0.1~100	0.8	1.0	1.20	1.30	1.50
100, 220	0.8	1.0	1.10	1.15	1.20