

## HIGH TEMPERATURE ALUMINUM ELECTROLYTIC CAPACITOR - 105°C

# TS14

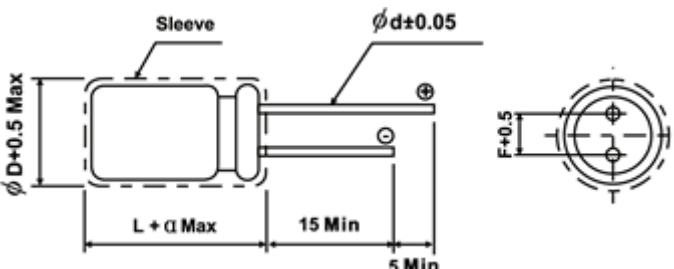
### FEATURES

- Wide temperature range, long life: 105°C  
2000 hours
- Miniature and low impedance



Item	Characteristics														
Operating Temperature Range(°C)	-40~+105										-40~+105				
Rated Voltage Range(V)	6.3~100										160~400				
Capacitance Tolerance(25 °C,120Hz)	±20%														
Leakage current(µA)	0.01CV or 3 whichever is greater.(at 25°C,after 2 minutes)										CV≤1000:0.1CV+40(at 25°C,after 1 minute) CV>1000:0.04CV+100(at 25°C,after 1 minute)				
Dissipation Factor(25 °C,120Hz)	C: Nominal Capacitance(µF) V: Rated Voltage(V)														
Temperature Stability(120Hz)	Rated voltage(v)	6.3	10	16	25	35	50	63	100	160	200	250	315	350	400
	tanδ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.15	0.15	0.20	0.20	0.20
when nominal capacitance is over 1000uF tanδ shall be added 0.02 to the listed value with increase of every 1000 uF															
Load Life(105°C)	Rated voltage(v)	6.3	10	16	25	35	50	63	100	160~250	315~400				
	Impedance Ratio Z-25°C/Z+20°C	4	3						2	3					
Shelf Life(105°C)	Rated voltage(v)	8	6	4											
	Impedance Ratio Z-40°C/Z+20°C				Z-25°C/Z+20°C										
Frequency coefficient	Time Leakage current Capacitance Change Dissipation Factor											2000 hours(Φ D≤ 8, 1000 hours) Not more than the specified value. within ±20% of the initial value. Not more than 200% of the specified value.			

### DIMENSIONS mm



### MULTIPLIER FOR RIPPLE CURRENT

#### Frequency coefficient

Rated Voltage(V)	Freq(Hz)	Cap(µF)				
		50	120	1K	10K	100K
6.3~100	0.1-4.7	-	0.4	0.7	0.8	1.0
	10-47	-	0.5	0.8	0.9	1.0
	100-220	-	0.7	0.9	0.9	1.0
	330-1000	-	0.8	0.9	1.0	1.0
	2200-15000	-	0.9	1.0	1.0	1.0
160~400	0.47-220	0.80	1.0	1.3	1.4	1.6

#### Temperature coefficient

Rated Voltage(V)	Temperature(°C)		
	+70	+85	+105
6.3-100	2.0	1.7	1.0
160-400	1.8	1.4	1.0

ΦD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0		7.5	
Φd	0.5		0.6			0.8	
a	1.0		L<16:1.0				

L≥16:2.0