



TMCE18 SR Series Aluminum Electrolytic Capacitors

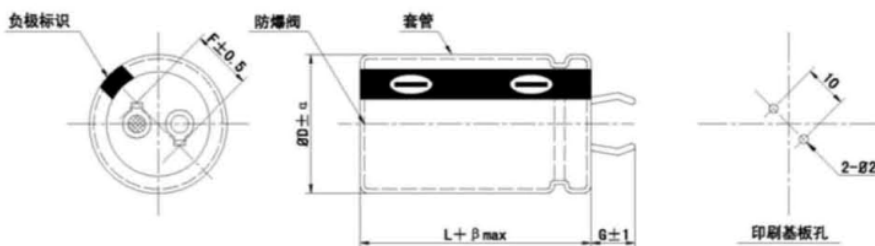
Features

- Load life of 2,000 hours at 105°C
- Snap-in terminal type, wide temperature range.
- Suitable for use in switching power supplies.
- Having safety vents.



Specifications

Item	Characteristics									
Operating temperature range	-40~+105°C(for 10V to 250V) -25~+105°C(for 315V to 400V)									
Rated voltage range	10~400V									
Capacitance range	39~82,000 μ F									
Capacitance tolerance (at 20°C, 120Hz)	±20%(M)									
Leakage current(I) (at 20°C)	After 1 minute application of rated voltage. I ≤ 0.02CV or 5mA, whichever is smaller. Where C: Nominal capacitance in μ F, V: Rated voltage in V.									
Dissipation factor(Tan δ) (at 20°C, 120Hz)	W.V.(V)	10	16	25	35	50	60~100	160~200	250~450	
	Tan δ (max.)	0.50	0.40	0.30	0.25	0.20	0.15	0.12	0.15	
For capacitance of more than 1,000 μ F, add 0.02 for every increase of 1,000 μ F.										
Low temperature characteristics (at 120Hz)	W.V.(v)	10~16	25	35	50~63	80~100	160~250	315~400		
	impedance ratio ZT/Z+20°C(max)	Z-25°C/Z+20°C	4	3	2	3	4			
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage has been applied for 2,000 hours at 105°C									
	Capacitance change	≤20% of the initial value								
	tan δ	≤200% of the initial specified value								
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 105°C for 1,000 hours without voltage applied									
	Capacitance change	≤20% of the initial value								
	tan δ	≤150% of the initial specified value								
Others	Satisfies characteristic W of JIS C5141									



	(mm)			
D	22	25	30	35
F	10			
G	6.0			
α	1.0			
β	2.0			



规格		尺寸 mm	容量 偏差	损耗	漏电流	纹波电流	串联等效电 阻 (ESR)
V	μF			25°C, 100/120Hz	25°C, μA , 2min	Arms, 105°C , 100/120Hz	Ω , 25°C, 1KHz
63	15000	35×70	±20%	0.35	3000	7.82	0.025

纹波电流修正系数

频率系数

频率 (Hz)	50/60	100/120	1K	$\geq 10K$
16~100V	0.9	1.0	1.15	1.25
160~500V	0.8	1.0	1.25	1.45