

ALUMINUM ELECTROLYTIC CAPACITOR

GENERAL, MINIATURIZED

TS13 CD13

FEATURES

- Standard product
- For industrial equipment control etc



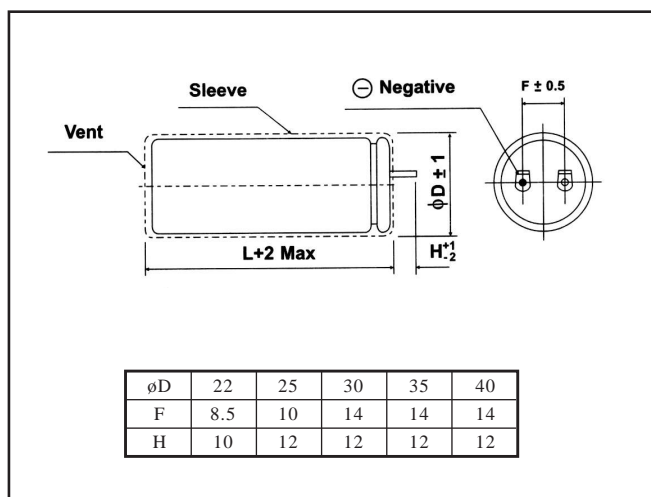
◆ Specifications

ITEMS		PERFORMANCE CHARACTERISTICS							
Operating Temperature Range(°V)		-40~+85(16~100V),-25~+85(160~450V)							
Rated Voltage Range(°C)		16~450							
Capacitance Range(µF)		33~68000							
Capacitance Tolerance(25°C,120Hz)		-10%~+50%							
Leakage Current(µA)		3CV(µA) Max(at 25°C, after 5 minutes) C:Nominal Capacitance(µF) V:Rated Voltage(V)							
Dissipation Factor (25°C 120Hz)		Rated Voltage(V)		16~25		35~63		80~350	400~450
		Cap(µF)	3300~10000	15000~33000	47000~68000	1000~10000	15000~33000	47~10000	33~470
		Tanδ(Max)	0.35	0.50	0.75	0.25	0.35	0.20	0.25
Temperature Stability (120Hz)		Rated Voltage(V)		16~100	160~250	315~450			
		Impedance Ratio	Z-25°C/Z+20°C		3	3	8		
			Z-40°C/Z+20°C		12	--	--		
Load Life (85°C)		Time	1000hours						
		Leakage Current	Not more than the specified value.						
		Capacitance Change	Within±20% of the initial value						
		Dissipation Factor	Not more than 200% of the specified value.						
Shelf Life (85°C)		Time	1000hours						
		Leakage Current	Not more than the specified value.						
		Capacitance Change	Within±20% of the initial value						
		Dissipation Factor	Not more than 200% of the specified value.						

After test:U_k to be applied for 60 minutes, 24 to 48 hours before measurement

◆ Dimensions

mm



◆ Multiplier for ripple current

Frequency coefficient

Rated Voltage(V)	Frequency(Hz)					
	50	60	120	1K	10K	≥50K
16~100	0.88	0.90	1.00	1.15	1.15	1.15
160~250	0.77	0.80	1.00	1.50	1.60	1.63
315~450	0.88	0.90	1.00	1.15	1.15	1.15

Temperature coefficient

Temperature(°C)	+20	+45	+70	+85
Factor	1.50	1.48	1.30	1.00