CD293 SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 85℃
- High ripple current
- Smaller size
- PCB Mounting

SPECIFICATIONS

Item	Characteristics	
Operating Temperature Range (℃)	-40~+85	-25~+85
Rated Voltage Range(V)	10~400	450~500
Capacitance Tolerance (20℃, 120Hz)	±20%	
Leakage Current (μ A)	0.01CV or 1.5mA whichever is smaller(at 20℃,after 5 minutes) C:Nominal Capacitance(μ F), V:Rated Voltage(V)	

Dissipation Factor (20℃, 120Hz)

Cap(μ F) \ Rated voltage(V)	10~16	25	35~50	63	80~100
≤2700	--	--	0.20	0.15	0.15
3300~4700	--	0.35	0.25	0.20	0.15
5600~6800	0.40	0.35	0.30	0.20	0.20
≥8200	0.40	0.35	0.35	0.25	--

ΦD(mm) \ Rated voltage	160~200	250~500
22~30	0.10	0.15
35	0.12	0.15

Temperature stability(120Hz)

Rated voltage		10	10~35	50~100	160~200	250~400	450~500
Impedance Ratio	$Z_{-25℃}/Z_{+20℃}$	5	4	3	3	4	4
	$Z_{-40℃}/Z_{+20℃}$	18	15	10	6	8	--

Load Life (+85℃)

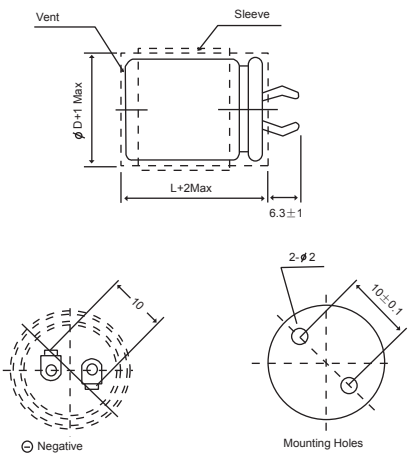
Life Time	2000hours
Leakage Current	Not more than the specified value
Capacitance change	Within ±15% of the initial value
Dissipation Factor	Not more than 150% of the specified value

Shelf Life (+85℃)

Life Time	1000hours
Leakage Current	Not more than the specified value
Capacitance change	Within ±15% of the initial value
Dissipation Factor	Not more than 150%of the specified value

*After test: U_R to be applied for 30 minutes, 24 to 48 hours before measurement.

DIMENSIONS mm



MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Rate Voltage(V) \ Frequency(Hz)	50	120	1K	10K	100K
≤50	0.95	1.00	1.10	1.15	1.15
63~100	0.95	1.00	1.16	1.30	1.33
≥160	0.95	1.00	1.20	1.50	1.55

Temperature coefficient

Rate Voltage(V) \ Temperature(℃)	+40	+55	+70	+85
<160	2.1	1.8	1.5	1.0
≥160	1.7	1.5	1.3	1.0