CD288H Series

Aluminum Electrolytic Capacitors

Item Name	Rating	Case size	
CD288H1H332M	50V3300	18X40	

1. Operating Temp. Range

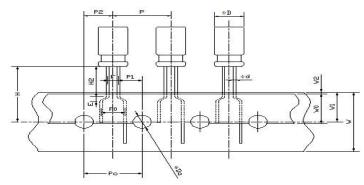
2. Electrical Characteristics

See Table 1.

Rated	Surge	Nominal	Tolerance on	Dissipation	Leakage	Permissible	Impedance
Volta	Voltag	Static	Capacitance(Factor	Current	Ripple	(Ω)
ge	e	Capacitan	%)	(tanδ)max	2min. 20	Current	\100KHz/
VDC	VDC	ce	20°C 120Hz	20°C 120Hz	°C (µA)	(mArms)	25℃
50	63	3300	-20 ~ +20	0.14	1650	2,150	\

Table 1

3. Dimensions



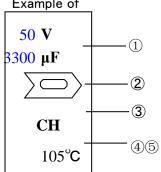
Unit(mm)

φD+0.5Max	L+1.0Max	F±0.5	d±0.05
18	40	7.5	0.8

4. Marking

Following items are printed with white color on black color sleeve

Example of



- 1 Rated voltage & Nominal Capacitance
- 2 Polarity (negative)
- (3) Trade Mark
- 4 Symbol of Capacitance Tolerance (M)
- (5) Max Operating Temp.

5.MULTIPLIER FOR RIPPLE CURRENT

1. Frequency Coefficient

Freq.(Hz) Cap(µF)	60(50)	120	300	1K	10K
3300	0.8	1	1.25	1.34	1.5

2). Temperature Coefficient

T TIMP TIME C					
Ambient Cemperature(°C	40	60	70	85	105
Coefficient	2.4	2.1	1.78	1.65	1

6. Characteristics

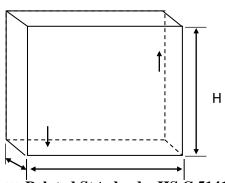
No.	Item	Performance	Test Method	
1	Leakage Current	I= 1650 μA Whichever is smaller (After 2 min)	Protection Resistor : 1000±10Ω Applied Volt : Rated Voltage Mesauring time : 2minutes	
2	Static Capacitance	-20+20%	Measured Frequency: 120Hz±20% Measured Voltage ≤ 0.5Vrms, 1.5 ~ 2.0VDC	
3	Dissiption Factor (tanδ)	0.14 and Under	Same as condition of Capacitors	
4	High Temp. Load Charac- teristics	Leakage Current \leq the value specified in Table 1Cap. Change $\leq \pm 20\%$ of initial valueDissipation Factor $\leq 200\%$ of value specified in Table 1AppearanceNo remarkable abnormality	Test Temp.: 105±2°C Applied voltage: Rated voltage Test Tin 3000 hours +72, -0 hours	
5	High Temp. no load Charac- teristics	Leakage Current \leq the value specified in Table 1Cap. Change $\leq \pm 20\%$ of initial valueDissipation Factor $\leq 200\%$ of value specified in Table 1AppearanceNo remarkable abnormality	Test Temp.: 105±2°C No voltage applied Test Tin 1500 hours +24, -0 hurs	
6	Terminal Strength	Tensile Strength 45N {4.5kg} Bending Strength 25N {2.5kg}	Keeping time Tensile 1~5sec Bending 30±5sec	
7	Impedance Ratio	$ \begin{array}{c cccc} W V & 50 \\ \hline Z(-25^{\circ}C)/Z(+20^{\circ}C) & 2 \\ \hline Z(-40^{\circ}C)/Z(+20^{\circ}C) & 3 \\ \end{array} $		
8	Temperature Charac - teristics	Stage Item Performance 2,3 Impedance Ratio less than the value mentioned in 5 5 Cap, Change ≤ ±25% against value in stage After the capacitor is held at tempereture of each sand reaches temperature stability, measure performance	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
9	Surge Voltage	Item Perforemance Leakage Current ≤ the initial specified value Cap, Change ≤ ±15% against value before term Dissipation Factor ≤ the initial specified value Appearance No remakable abnormality Test Temp. 15~35°C Test volt. Surge Volt.Specified Voltage apply. 1,000times of chage for 30±5sec, under and discharge for 5min30sec.	ed in 2	

6-2. Characteristics

No.	Item	Performance	Test Method		
10	Vibration Resistance	Capacitance Stability required Cap. Change ≤±5% of the initial spe Appearance No remarkable abnorm Frequency: 10~55Hz/1min. Width of vibr Y and Z directions, each for 2 hours (Total	nality ration, 1.5mm Direction and duration X,		
11	Solderbility	3/4 area of surrounding directions of surface should be covered with new solder.	Solder: Sn-Ag, Sn-Cu Type Soldering Temp: 240±5°C Dipping degree: 2~2.5mm Flux: Ethanol solution (JIS K8101) or Isopropylalchol (JIS K8839) solution of Rosin (JIS K5902)		
12	Resistance to Soldering	Leakage Current \leq Initial specified valueCap. Change $\leq \pm 10\%$ of initial valueDissipation Factor \leq Initial specified in valueAppearanceNo remarkable abnormality	Soldering Temp. 280±5°C Soldering Time . 10±1sec.		
13	Resistance to Humidity	Leakage Current ≦ Initial specified value Cap. Change ≦ ±15% of initial value Dissipation Factor ≦ Initial spesified value Appearance No remarkable abnormality	Test Temp.: $40\pm2^{\circ}$ C Humidity $90\sim95\%$ Test Time: 500 ± 8 hours After the above condition, restored to normal temp, and then measured.		
14	Perssure valv moment charact- erstics	There must not be thing ignition, scattering the resolution that that case works safely	Demethod: impress the reverse voltage and of 1A, I cancel an electric current.		

7.Packing method

5-1 Packaging shape, size, quantity



8 W Related Standards JIS C 5141

9 Marking on packing box

- ① Item name
- 2 Series name
- 3 Rated Voltage
- 4 Nominal Static Capacitance
- **⑤** Case size
- 6 Lot No.
- 7 Quantity

Componen	Quanity	•	L	Н	W
t	per	of box			
18X40	PCS	Y-2	480	320	320

10 Soldering

8-1 Soldering by soldering iron

Temperature of iron top : 270∼350°C

Operating time: within 3 sec.

8-2 Flow soldering.

Preheat: PCB surface temperature 120°C±5°C

Solder Temp: 260°C±5°C

Solder Dipping Temp.: 2~4sec.

11 Cleaning of PC board after soldering

Using follwing solvents is possible but make sure following condition Solvent

IPA or Alcoholic agent like Pinealpha ST-100S, Cleanthrough 750H, 750L, 710M, 750K, or Technocare FRW-14~17

- ① Cleaning should be made by ultrasonic within 5min, at the temperature less then 60°C.
- ② Control of pollution is necessary (conductivity,pH, specific gravity, water volume)
- ③ Please do not keep near cleaning agent. Please do not store in air-tight container. Please let it dry by hot air at the temperature less than maximum operating temp.

单击下面可查看定价,库存,交付和生命周期等信息

>>KINGTOP(勤拓)