



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# JAC series(6-30A)

JAC -30 -683 -□

① ② ③ ④

- ① Model Name
- ② Rated Current
- ③ Line to ground capacitor code: See table 1.1.

table 1.1 Line to ground capacitor code

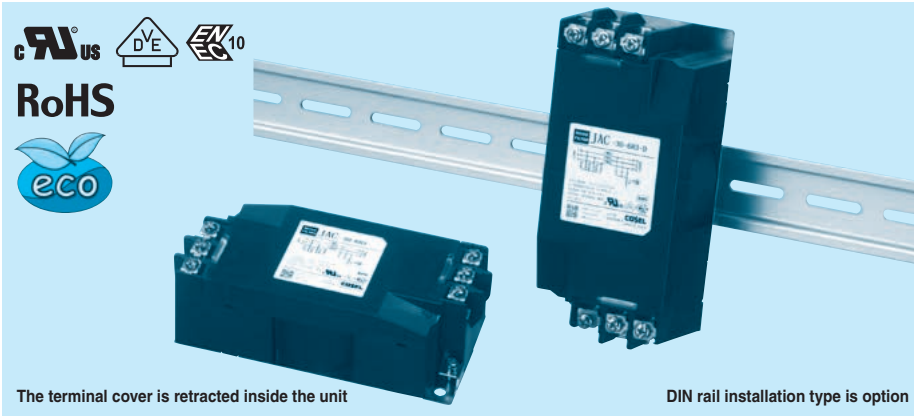
Code	Leakage Current (Input 250/500V 60Hz)	Line to ground capacitor (nominal value)
103	0.5mA/1.0 mA max	10,000pF
223	1.0mA/2.0 mA max	22,000pF
683	2.5mA/5.0 mA max	68,000pF

\* When the line to ground capacitor code is different, the attenuation characteristic is different.

\* Please contact us about ultra high attenuation type for EU (Wye type with neutral earth system).

- ④ Option
- D: DIN rail installation type
- \* The dimensions change when the option is set. Refer to External view.

H: Ultra high-attenuation type



The terminal cover is retracted inside the unit

DIN rail installation type is option

## Features of JAC series

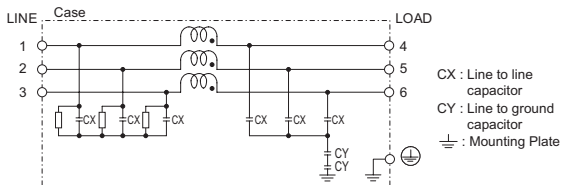
### Compact and low profile , common mode EMI/EMC filters in 150kHz to 1MHz(1-stage filter)

- Three Phase 500 VAC
- Push down type terminal block

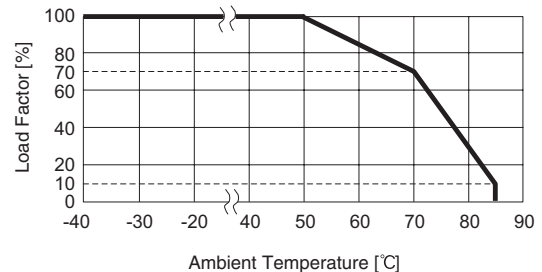
### Specifications

No.	Items	JAC-06-683	JAC-10-683	JAC-20-683	JAC-30-683
1	Rated Voltage[V]	AC Three Phase 500 (voltage range:528 max) 50/60Hz			
2	Rated Current[A]	6	10	20	30
3	Test Voltage (Terminal-Mounting Plate)	2,500 VAC (Cutoff Current = 100mA), 1minute at room temperature and humidity			
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100MΩ min at room temperature and humidity			
5	Leakage current 250/500V 60Hz	2.5mA/5.0mA max			
6	DC resistance	100mΩ max	45mΩ max	15mΩ max	8mΩ max
7	Safety agency approval temperatures	-25 to +85°C (Refer to Derating Curve)			
8	Operating temperature	-40 to +85°C (Refer to Derating Curve)			
9	Operating humidity	20 to 95%RH (Non condensing)			
10	Storage temperature/humidity	-40 to +85°C/20 to 95%RH (Non condensing)			
11	Vibration	10 to 55Hz, 19.6m/s <sup>2</sup> (2G), 3min. Period, 1hour each X, Y and Z axis			
12	Impact	196.1m/s <sup>2</sup> (20G), 11ms Once each X, Y and Z axis			
13	Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL) , DIN EN60939 VDE0565 Teil3-1, ENEC			
14	Case size (without projection)	63 X 44 X 132 mm (W X H X D) (Option: -D refer to external view) [2.48 X 1.73 X 5.20 inches] (W X H X D)			
15	Weight	440g max			

### Circuit Diagram



### Derating Curve

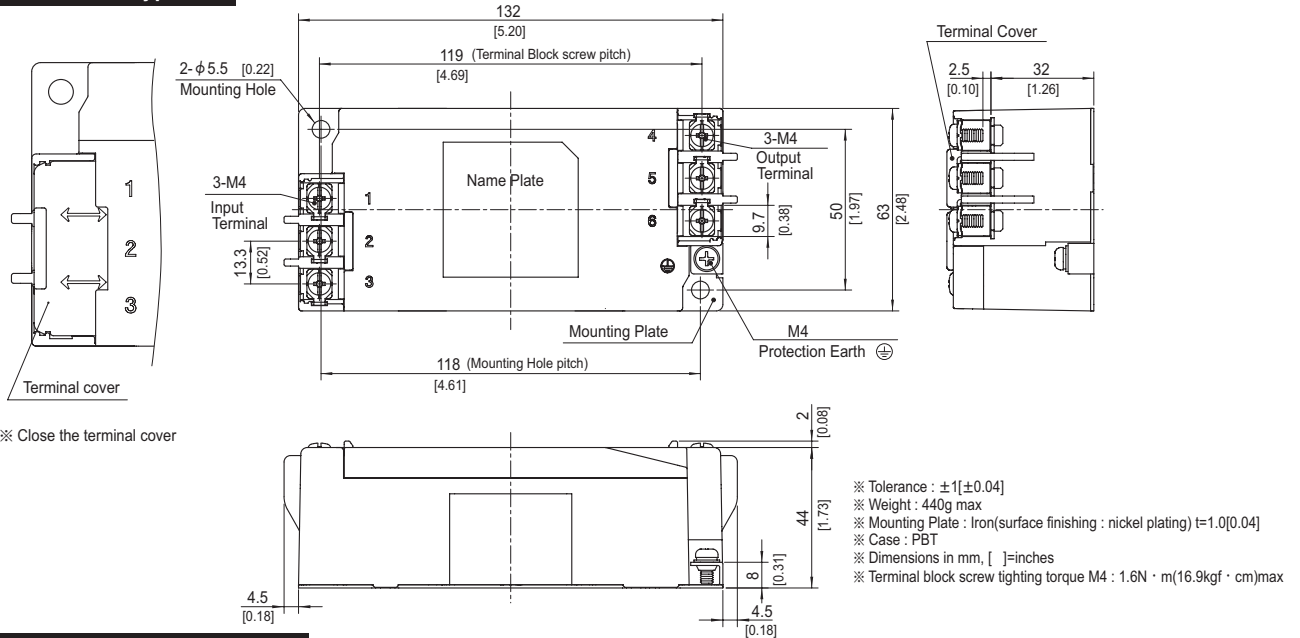


## External view

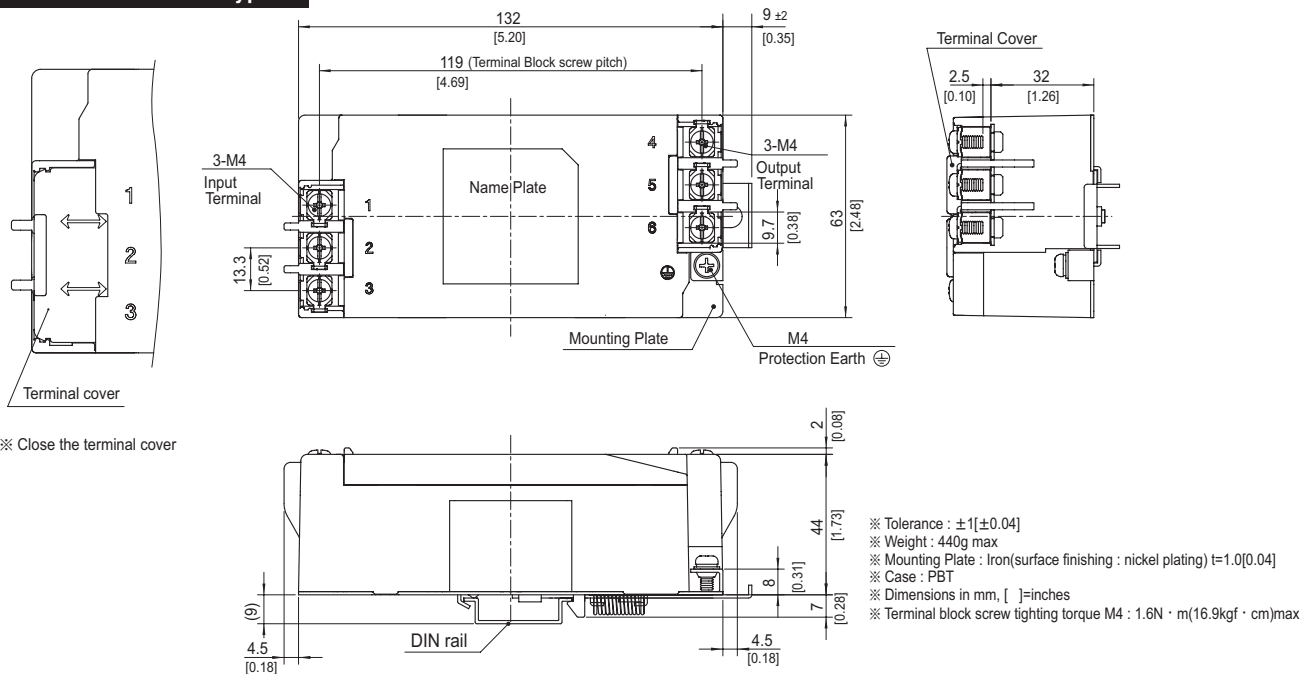
As this product is adopted push-down type terminal block, this appearance is as follows.

- ① The terminal cover is retracted inside the unit.
- ② The screws for connecting the terminals are held in the up right position.

### Standard Type



### DIN rail installation Type



### ■Note when installing the EMI/ EMC Filter on a DIN rail.

When the EMI/EMC Filter is grounded through the DIN rail, the proper noise attenuation may not be achieved.

Be sure to connect the protection earth (PE) of the EMI/EMC Filter body to the earth.

