# imall

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!



### Contact us

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<b>CD\$EL</b> Three phase input type(1-stage filter)	Ordering information			
TAC series(50,60,80,100,150A)	<b>TAC</b> -5	0223 ®	<b>3</b> -	
RoHS		③Line 1	I Name I Current o ground capacitor coo Line to ground capacito	
		Code	Leakage Current (Input 250/500V 60Hz)	Line to ground capacitor (nominal value)
009		103	1.0mA/2.0mA max	10,000pF
Allelille estateres		223	2.5mA/5.0mA max	22,000pF
Balton on an		333	3.5mA/7.0mA max	33,000pF
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#### Features of TAC series

#### High-attenuation type of common mode noise from 150kHz to 1MHz (1-stage filter)

- Three phase rated voltage 500 VAC (voltage range:528V max)
- · Selectable leakage current value

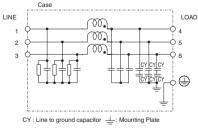
#### **Specifications**

No.	Items	TAC-50-223	TAC-60-223	TAC-80-223	TAC-100-223	TAC-150-223			
1	Rated Voltage[V]	AC Three Phase 500 (voltage range:528 max) 50/60Hz *1							
2	Rated Current[A]	50	60	80	100	150			
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 100M $\Omega$ min at room temperature and humidity							
5	Leakage current 250/500V 60Hz	2.5mA/5.0mA max							
6	DC resistance	$7m\Omega$ max	$5m\Omega$ max	$5m\Omega$ max	4mΩ max	3mΩ max			
7	Safety agency approval temperatures	-25 to +85°C (Refer to Derating Curve)							
8	Operating temperature	-40 to +85℃ (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)	90×54×179 mm	(W×H×D)	140×85×267 mn	n (W×H×D)	170×92×285 mm (W×H×D)			
		[3.54×2.13×7.05	inches]	[5.51×3.35×10.	51 inches]	[6.69 X 3.62 X 11.22 inches]			
15	Weight	1.4kg max		3.8kg max		4.8kg max			

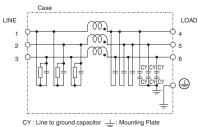
\*1 Only "TAC-\_\_\_\_-U", Three Phase 250 (275 max)

#### **Circuit Diagram**

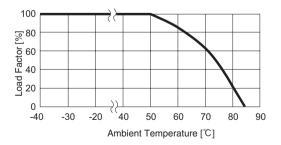




(2) TAC-\_\_\_-U (Option : U)





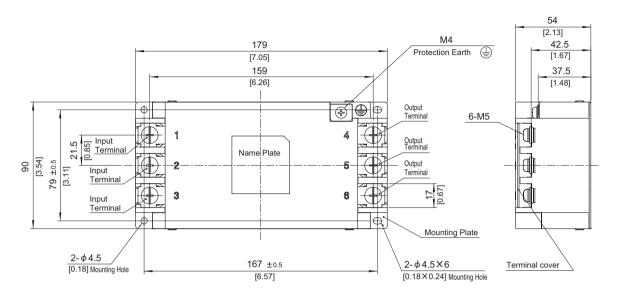


\*Keep free ventilation holes for cooling.

## **COŞEL** | TAC,TAH series (50,60,80,100,150A)

#### External view

TAC-50- / TAC-60-



<sup>%</sup> Can not be mounted upside-down. (mounted the top surface)

% Tolerance : ±1 [±0.04]

Weight : 1.4kg max
Mounting Plate : Iron (surface finishing:nickel plating) t=1.2 [0.05]

% Case : PBT

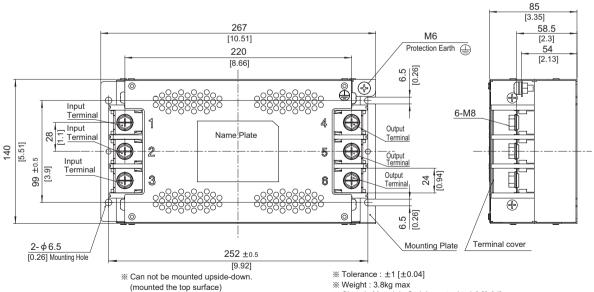
% Dimensions in mm, [ ]=inches

% Terminal block screw tightening torque M5:3.0N · m (30.7kgf · cm) max

※ Protection Earth screw tightening torque M4:1.6N ⋅ m (16.9kgf ⋅ cm) max

### TAC-80- / TAC-100-

**TA-11** 



※ Dimensions in mm, [ ]=inches

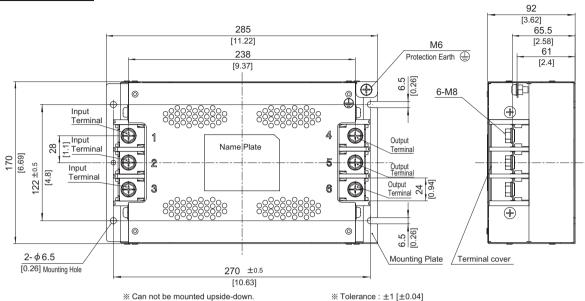
% Terminal block screw tightening torque M8:9.2N · m (93.9kgf · cm) max % Protection Earth screw tightening torque M6:5.8N · m (59.2kgf · cm) max

### TAC,TAH series (50,60,80,100,150A)





TAC-150-TAH-150-



(mounted the top surface)

% Weight : 4.8kg max \* Chassis Material : Stainless steel t=1.0 [0.04]

% Dimensions in mm, [ ]=inches

% Terminal block screw tightening torque M8:9.2N · m (93.9kgf · cm) max

% Protection Earth screw tightening torque M6:5.8N · m (59.2kgf · cm) max