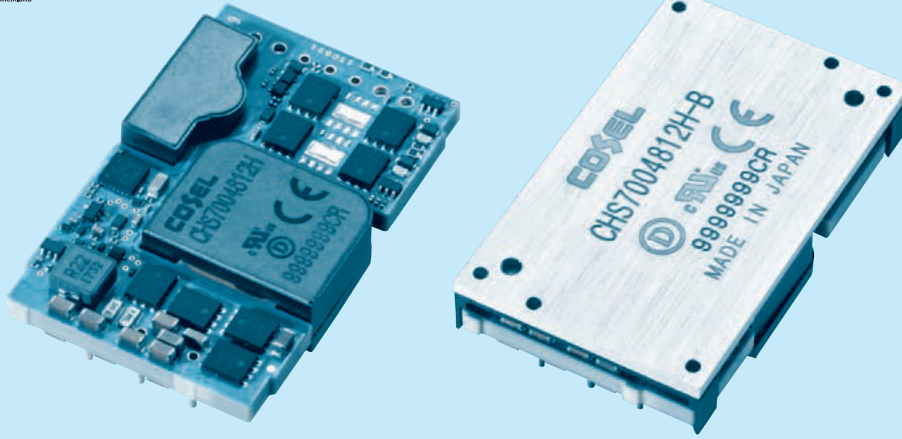
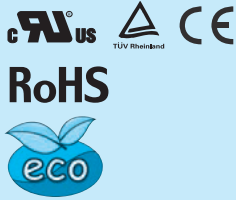


CHS700

CH S 700 48 12 - ☐

① ② ③ ④ ⑤ ⑥



- ① Series name
 - ② Single output
 - ③ Output power
 - ④ Input voltage
48:DC36 - 76V
 - ⑤ Output voltage
12H:12V (High efficiency type)
 - ⑥ Optional
 - R :with Remote ON/OFF
Positive logic control
 - U :Shut down in protection
circuit working
 - B :BasePlate option with
Mounting hole M3
 - L2:Pin length 5.3mm
 - L5:5pins type (Pin No. 4, 6,
7, 8, 10 less)
 - L7:7pins type (Pin No. 6, 7, 8
less)
 - L8:8pins type (Pin No. 4, 10
less)
- *Refer to the instruction manual
for pin assign.

MODEL	CHS7004812H
MAX OUTPUT WATTAGE[W]	702.0
DC OUTPUT	12V 58.5A

SPECIFICATIONS

	MODEL	CHS7004812H
INPUT	VOLTAGE[V]	DC36 - 76
	CURRENT[A]	*1 15.3typ
	EFFICIENCY[%]	*1 96typ
OUTPUT	VOLTAGE[V]	12
	CURRENT[A]	58.5
	LINE REGULATION[mV]	*6 24max
	LOAD REGULATION[mV]	*6 24max
	RIPPLE	[mVrms] *2 80max
		[mVp-p] *2 240max
	RIPPLE NOISE[mVp-p]	*2 280max
	TEMPERATURE REGULATION[mV]	240max
	DRIFT[mV]	*3 40max
	START-UP TIME[ms]	50max (DCIN 48V, Io=100%)
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating (Auto restart)
	OVERVOLTAGE PROTECTION	115% - 135% (Auto restart)
	REMOTE SENSING	Provided
	REMOTE ON/OFF	Provided (Negative Logic L : ON, H : OFF)
ISOLATION	INPUT-OUTPUT	DC2,250V or AC1,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)
	INPUT-BASEPLATE	*5 DC2,250V or AC1,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)
	OUTPUT-BASEPLATE	*5 AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15℃)
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE	-40 to +85℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 5,000m (16,000 feet) max
	STORAGE TEMP.,HUMID.AND ALTITUDE	-40 to +100℃, 20 - 95%RH (Non condensing), 9,000m (30,000 feet) max
	VIBRATION	10-55Hz 49.0m/s ² (5G), 3minutes period, 60minutes each along X, Y and Z axis
	IMPACT	196.1m/s ² (20G), 11ms, once each along X, Y and Z axis
SAFETY	AGENCY APPROVALS	UL62368-1, C-UL (CSA62368-1), EN62368-1
OTHERS	CASE SIZE/WEIGHT	58.4×10.5×36.8mm [2.3×0.41×1.45 inches] (W×H×D) / 72g max
	COOLING METHOD	58.9×12.7×37.3mm [2.32×0.5×1.47 inches] (W×H×D) / 100g max *5 Convection / Forced air / Conduction

*1 At rated input (DC48V) and rated load. Ta=25℃, 2m/s.

*2 Ripple and ripple noise is measured by using measuring board with ceramic capacitor 22μF

*3 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.

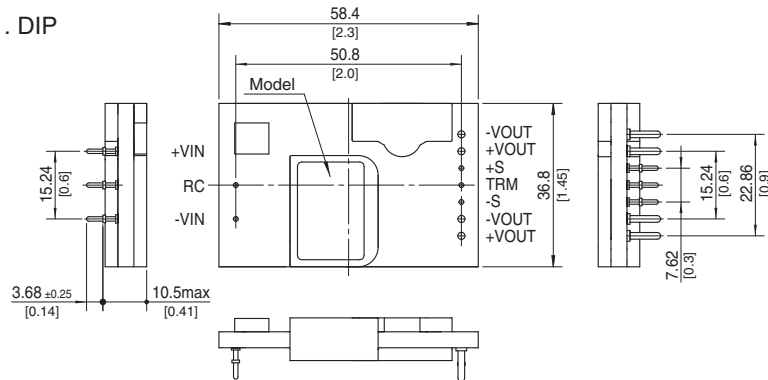
*4 Refer to the instruction manual for input voltage derating.

*5 BasePlate Option.

*6 At input voltage DC40-76V.

External view

1. DIP

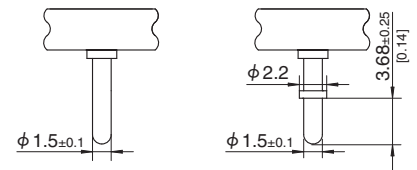


※ Tolerance: ±0.5

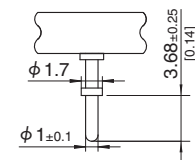
※ Dimensions in mm, []=inches

※ ±VOUT Pin

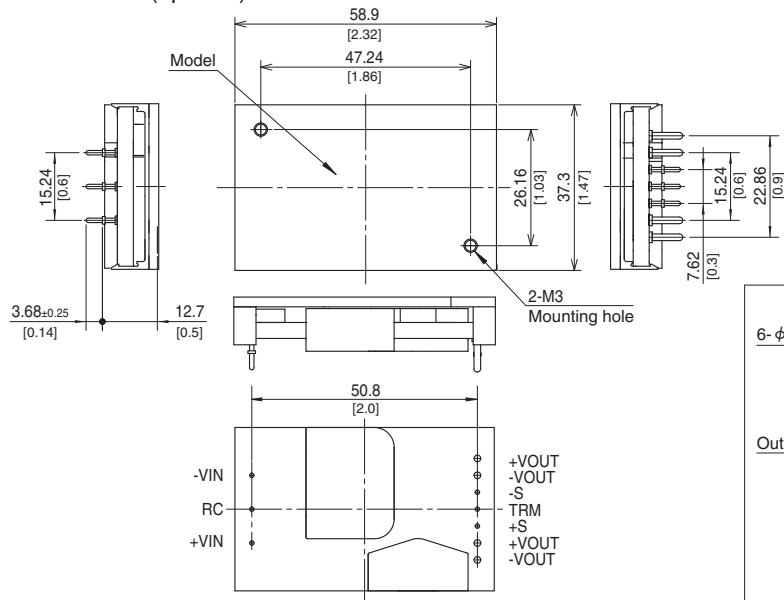
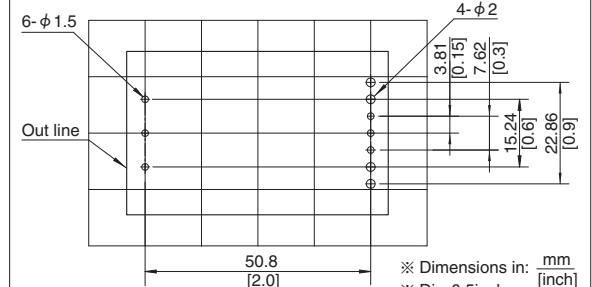
(option L5, L7)



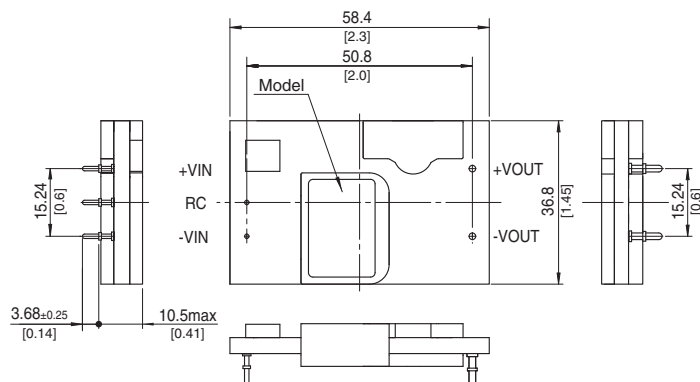
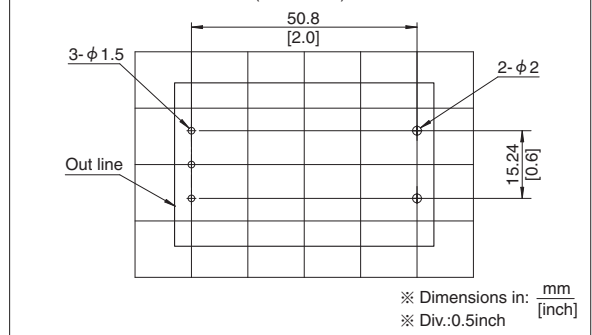
※ ±VIN/RC/TRM/±S Pin



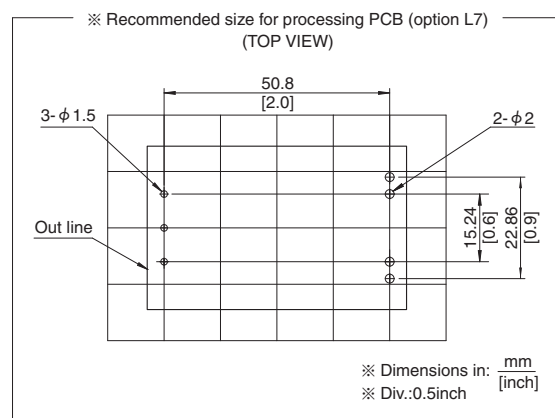
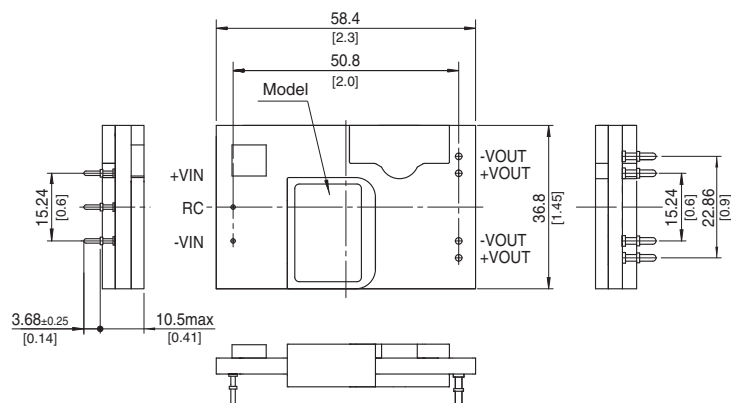
2. BasePlate (optionB)

※ Recommended size for processing PCB
(TOP VIEW)

3. 5pins type (option L5)

※ Recommended size for processing PCB (option L5)
(TOP VIEW)

4. 7pins type (option L7)



5. 8pins type (option L8)

