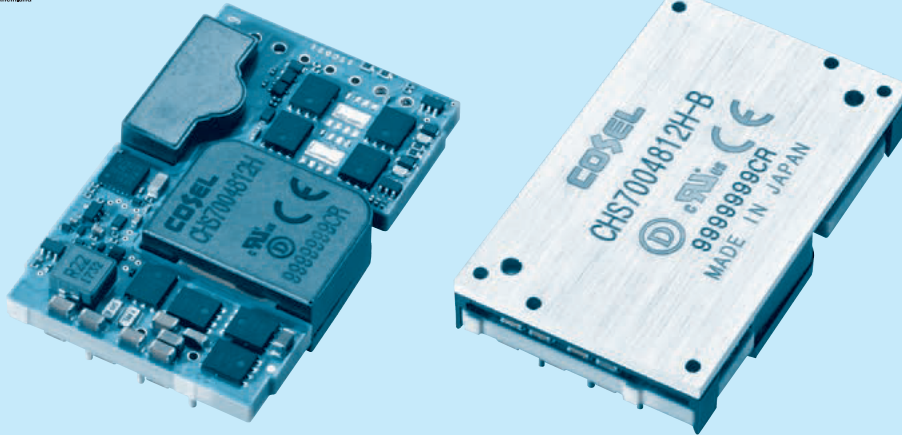
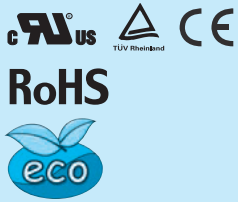


# CHS700

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

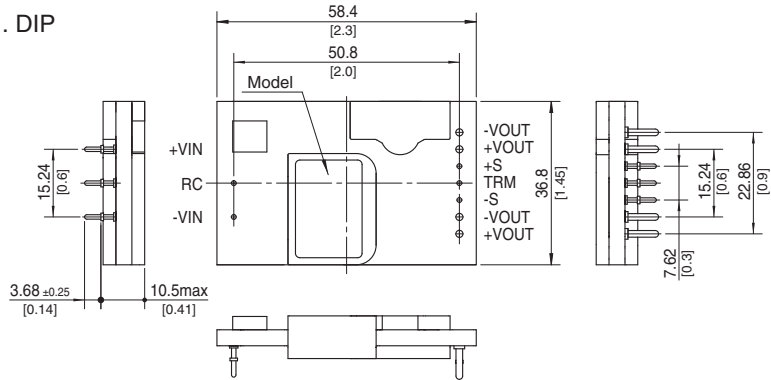
## SPECIFICATIONS

	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%)	
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	*4 Fixed (TRM pin open), adjustable by external resistor -20% / +10%		
OUTPUT VOLTAGE SETTING[V]	*1 *6 ±1.6%		
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°C)	
	INPUT-BASEPLATE	*5 DC2,250V or AC1,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)	
	OUTPUT-BASEPLATE	*5 AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15°C)	
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +85°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 5,000m (16,000 feet) max	
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100°C, 20 - 95%RH (Non condensing), 9,000m (30,000 feet) max	
	VIBRATION	10-55Hz 49.0m/s <sup>2</sup> (5G), 3minutes period, 60minutes each along X, Y and Z axis	
	IMPACT	196.1m/s <sup>2</sup> (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 X 10.5 X 36.8mm [2.3 X 0.41 X 1.45 inches] (W X H X D) / 72g max	
	COOLING METHOD	58.9 X 12.7 X 37.3mm [2.32 X 0.5 X 1.47 inches] (W X H X D) / 100g max *5 Convection / Forced air / Conduction	

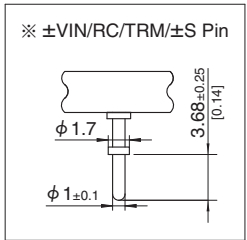
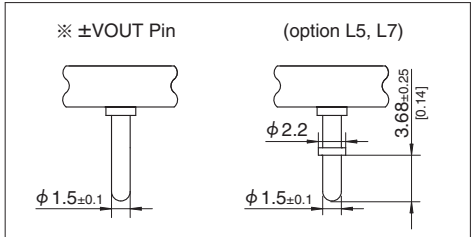
\*1 At rated input (DC48V) and rated load. Ta=25°C, 2m/s.  
 \*2 Ripple and ripple noise is measured by using measuring board with ceramic capacitor 22 μF  
 \*3 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.  
 \*4 Refer to the instruction manual for input voltage derating.  
 \*5 BasePlate Option.  
 \*6 At input voltage DC40-76V.

External view

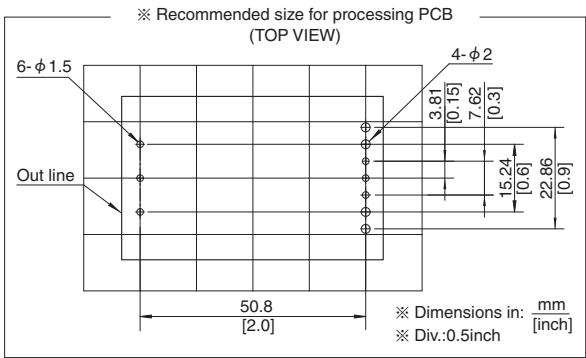
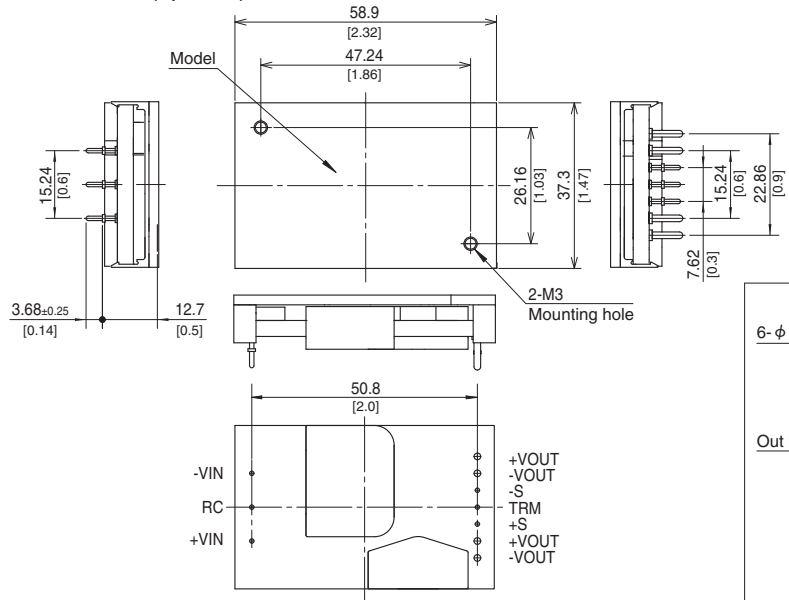
1. DIP



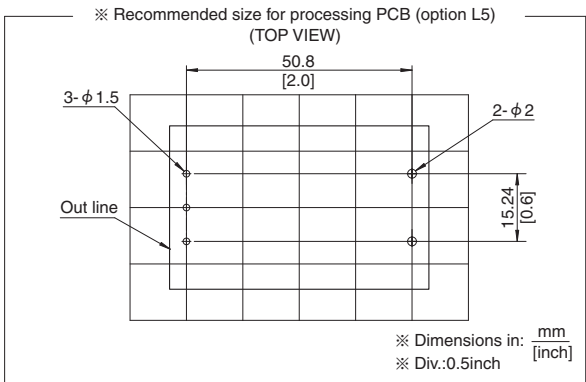
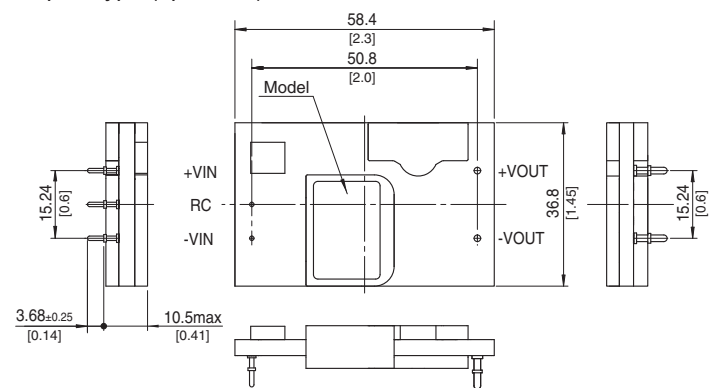
※ Tolerance:±0.5  
※ Dimensions in mm, [ ]=inches



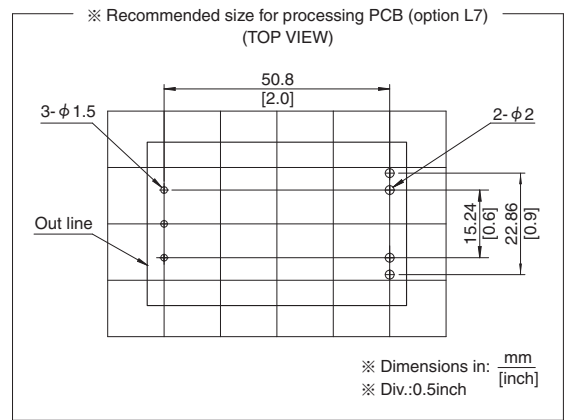
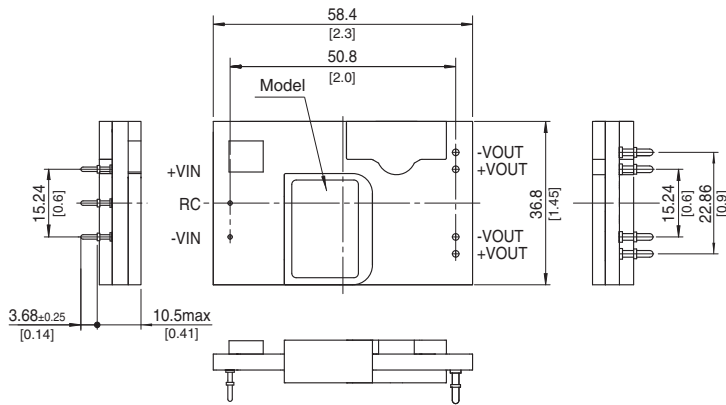
2. BasePlate (optionB)



3. 5pins type (option L5)



4. 7pins type (option L7)



5. 8pins type (option L8)

