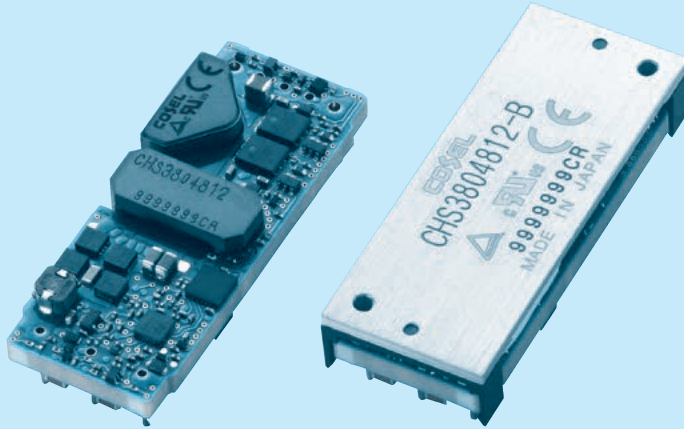
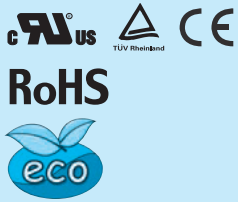


CHS380

CH S 380 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
10:10V
12:12V
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 (+S,-S,TRM
less)

MODEL	CHS3804810	CHS3804812	CHS3804812H
MAX OUTPUT WATTAGE[W]	380.0	384.0	384.0
DC OUTPUT	10V 38A	12V 32A	12V 32A

SPECIFICATIONS

	MODEL	CHS3804810	CHS3804812	CHS3804812H	
INPUT	VOLTAGE[V]	DC36 - 76			
	CURRENT[A]	*1 8.42typ	8.47typ	8.42typ	
	EFFICIENCY[%]	*1 94.0typ	94.5typ	95.0typ	
OUTPUT	VOLTAGE[V]	10	12	12	
	CURRENT[A]	38	32	32	
	LINE REGULATION[mV]	*6 20max	24max	24max	
	LOAD REGULATION[mV]	*6 20max	24max	24max	
	RIPPLE	[mVrms] *2	40max	50max	60max
		[mVp-p] *2	120max	150max	180max
	RIPPLE NOISE[mVp-p]	*2 150max	180max	200max	
	TEMPERATURE REGULATION[mV]	200max	240max	240max	
	DRIFT[mV]	*3 30max	40max	40max	
	START-UP TIME[ms]	50max (DCIN 48V, I _o =100%)			
OUTPUT VOLTAGE ADJUSTMENT RANGE	*4 Fixed (TRM pin open), adjustable by external resistor -10% / +10%				
OUTPUT VOLTAGE SETTING	*1 ±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 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	UL60950-1, C-UL (CSA60950-1), EN60950			
OTHERS	CASE SIZE/WEIGHT	58.4 × 11.0 × 22.86mm [2.3 × 0.43 × 0.9 inches] (W × H × D) / 38g max			
	COOLING METHOD	58.9 × 12.7 × 23.26mm [2.32 × 0.5 × 0.92 inches] (W × H × D) / 50g 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.

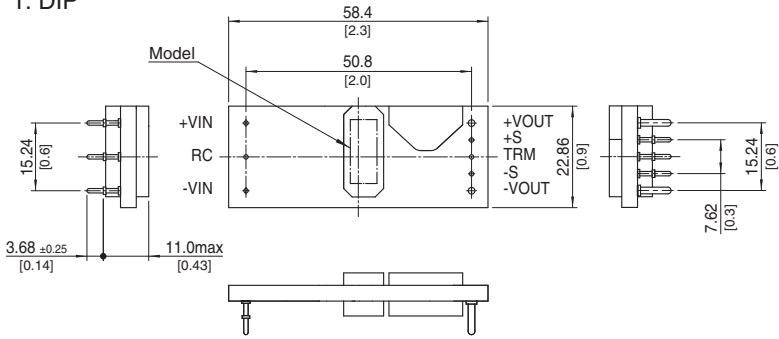
*4 Refer to the instruction manual for input voltage derating.

*5 BasePlate Option.

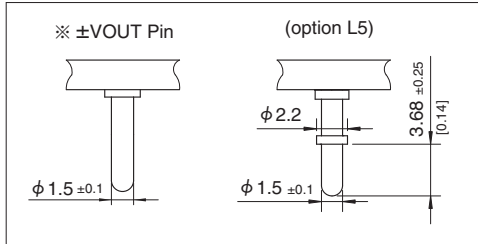
*6 At input voltage DC36-76V(CHS3804810, CHS3804812), DC40-76V(CHS3804812H).

External view

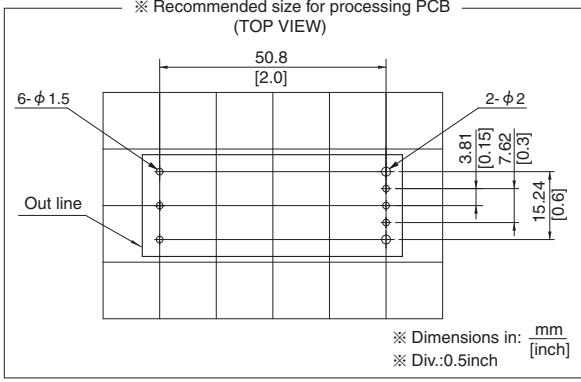
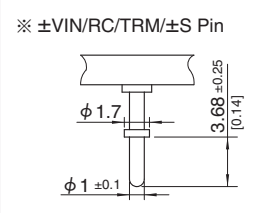
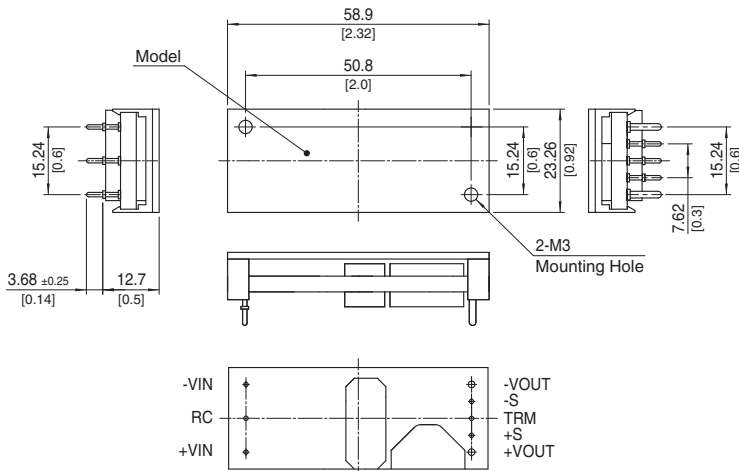
1. DIP



※ Tolerance: ±0.5 [±0.02]
 ※ Dimensions in mm, []=inches



2. BasePlate (optionB)



3. Parallel operation (option P) 5pins type (option L5)

