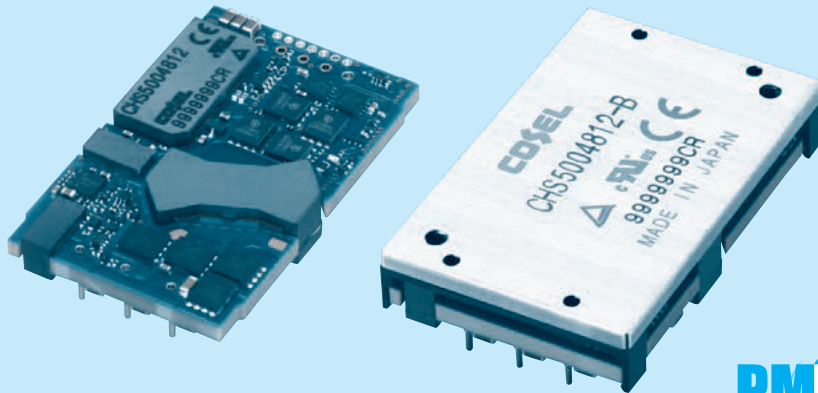


CHS500

CH S 500 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
12:12V
- ⑥ Optional
 - R :with Remote ON/OFF
Positive logic control
 - U :Shut down in protection
circuit working
 - B :BasePlate option with
Mounting hole M3
 - P :Parallel operation (5Pins
:without +S,-S and TRM)
 - L2:Pin length 5.3mm
 - L5:5pins type (+S,-S,TRM
less)
 - I :with the PMBus interface
(Only CHS5004812)

MODEL	CHS5004812
MAX OUTPUT WATTAGE[W]	504.0
DC OUTPUT	12V 42A

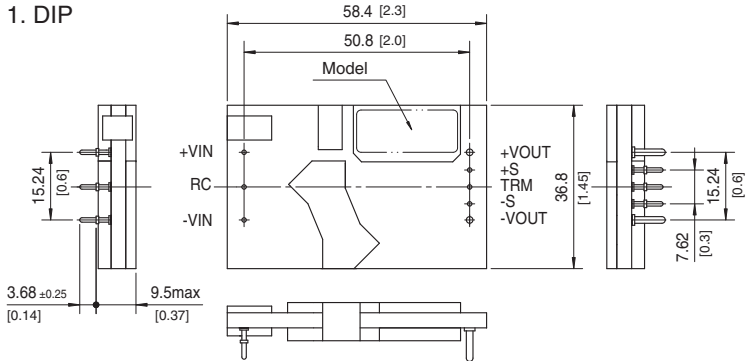
SPECIFICATIONS

	MODEL	CHS5004812	
INPUT	VOLTAGE[V]	DC36 - 76	
	CURRENT[A]	*1 11.06typ	
	EFFICIENCY[%]	*1 95typ	
OUTPUT	VOLTAGE[V]	12	
	CURRENT[A]	42	
	LINE REGULATION[mV]	24max	
	LOAD REGULATION[mV]	*6 24max	
	RIPPLE	[mVrms] *2	60max
		[mVp-p] *2	180max
	RIPPLE NOISE[mVp-p]	*2 200max	
	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 (N/A : parallel operation) -10% / +10%		
OUTPUT VOLTAGE SETTING[V]	*1 *5 ±1.6%		
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating (Auto restart)	
	OVERVOLTAGE PROTECTION	115% - 135% (Auto restart)	
	REMOTE SENSING	Provided (N/A : parallel operation)	
	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	58.4×9.5×36.8mm [2.3×0.37×1.45 inches] (W×H×D) / 60g max 58.9×12.7×37.3mm [2.32×0.5×1.47 inches] (W×H×D) / 90g max *5	
	COOLING METHOD	Convection / Forced air / Conduction	

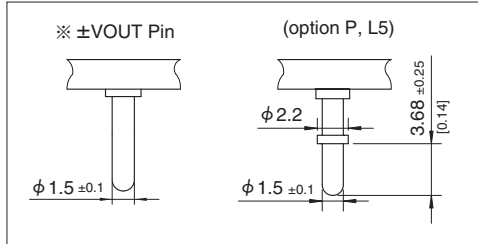
*1 At rated input (DC48V) and rated load. Ta=25°C, 2m/s.
 *2 Ripple and ripple noise is measured by using measuring board with ceramic capacitor 22 μF.
 *3 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 *4 Refer to the instruction manual for input voltage derating.
 *5 BasePlate Option.
 *6 Parallel operation Option is not included.

External view

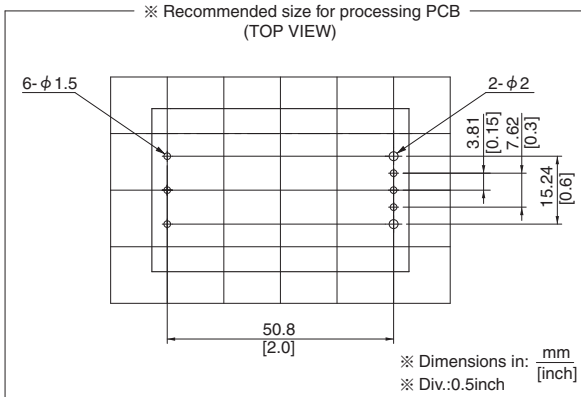
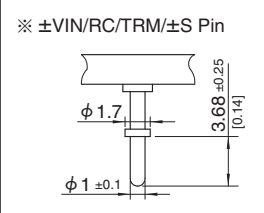
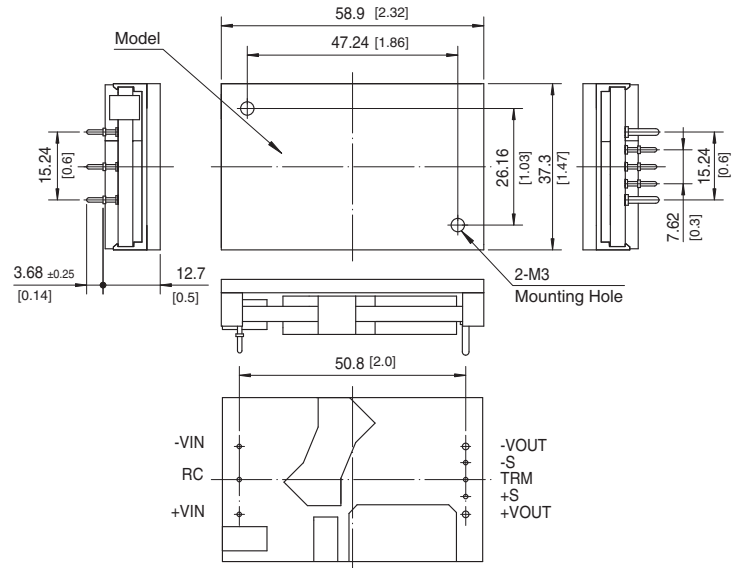
1. DIP



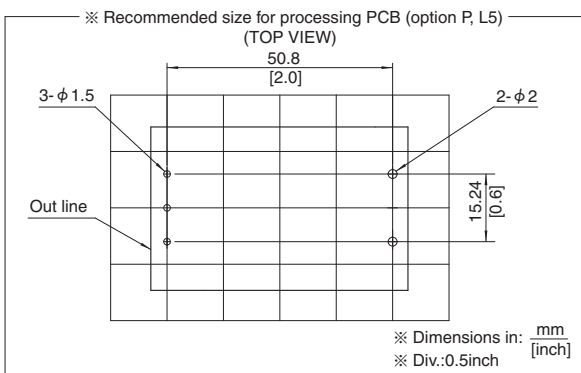
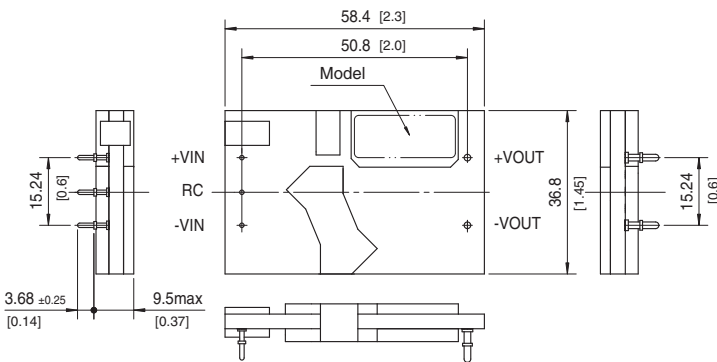
※ Tolerance: ±0.5 [±0.02]
 ※ Dimensions in mm, []=inches



2. BasePlate (optionB)



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



*Please contact us about external view of the PMBus interface (option I).