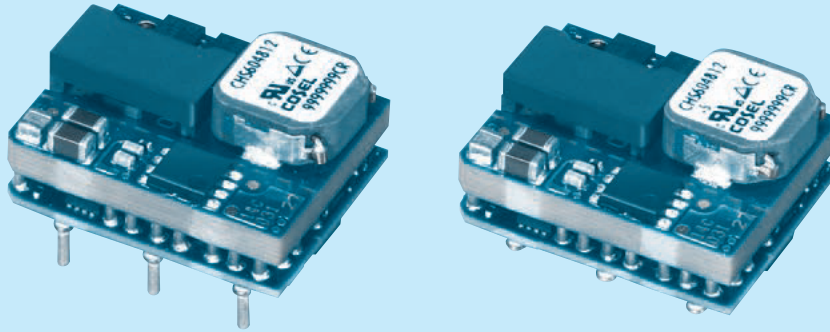
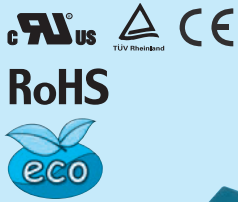


CHS60

CH S 60 48 3R3 -

① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output power
- ④ Input voltage
48:DC36 - 76V
- ⑤ Output voltage
3R3:3.3V
05:5.0V
12:12V
- ⑥ Optional
R :with Remote ON/OFF
Positive logic control
U :Shut down in protection
circuit working
S :SMD

MODEL	CHS60483R3	CHS604805	CHS604812
MAX OUTPUT WATTAGE[W]	59.4	60.0	72.0
DC OUTPUT	3.3V 18A	5V 12A	12V 6A

SPECIFICATIONS

	MODEL	CHS60483R3	CHS604805	CHS604812	
INPUT	VOLTAGE[V]	DC36 - 76			
	CURRENT[A]	*1 1.36typ	1.34typ	1.63typ	
	EFFICIENCY[%]	*1 91.5typ	93.0typ	92.5typ	
OUTPUT	VOLTAGE[V]	3.3	5	12	
	CURRENT[A]	18	12	6	
	LINE REGULATION[mV]	10max			
	LOAD REGULATION[mV]	10max			
	RIPPLE	[mVrms] *2	30max	30max	50max
		[mVp-p] *2	80max	100max	150max
	RIPPLE NOISE[mVp-p] *2	120max	150max	180max	
	TEMPERATURE REGULATION[mV]	66max	100max	240max	
	DRIFT[mV]	*3 16max	20max	40max	
	START-UP TIME[ms]	50max (DCIN 48V, Io=100%)			
	OUTPUT VOLTAGE ADJUSTMENT RANGE *4	Fixed (TRM pin open), adjustable by external resistor			
-10% / +15%		-10% / +20%	-20% / +10%		
OUTPUT VOLTAGE SETTING	±1.6%				
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating (Auto restart)			
	OVERVOLTAGE PROTECTION	120% - 140% (Auto restart)	125% - 145% (Auto restart)	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)				
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), EN60950-1				
OTHERS	CASE SIZE/WEIGHT	19.05 X 12.7 X 23.36mm [0.75 X 0.5 X 0.92 inches] (W X H X D) / 15g max			
	COOLING METHOD	Convection / Forced air			

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

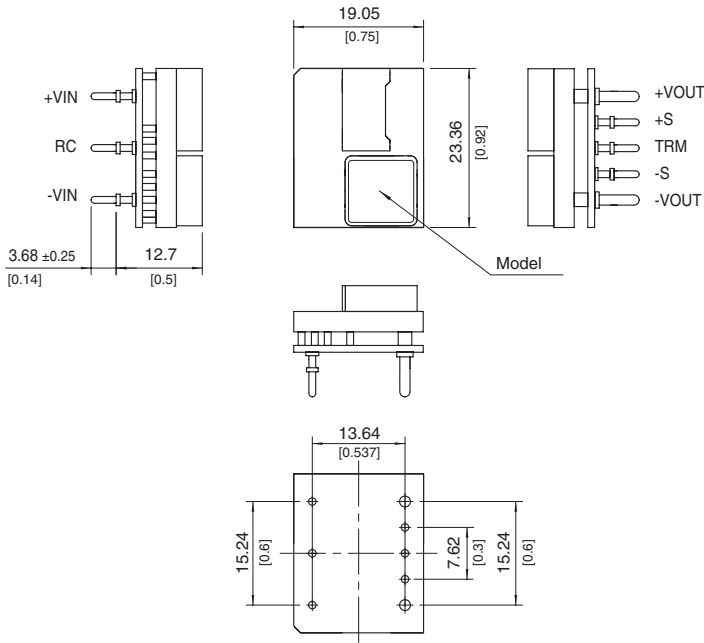
*2 Ripple and ripple noise is measured by using measuring board with ceramic capacitor 22 μF.

*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.

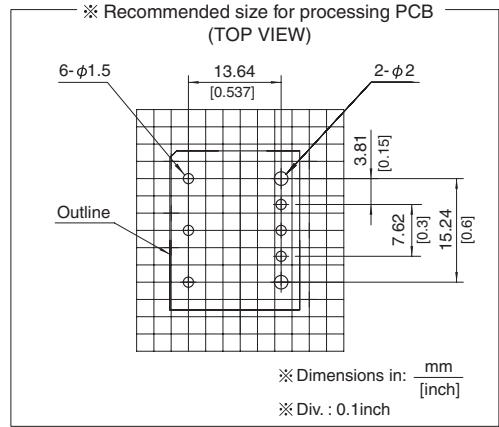
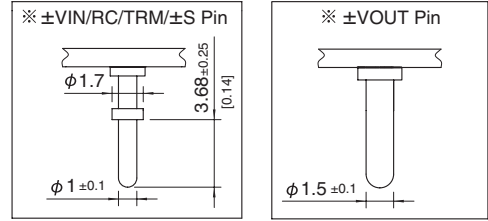
External view

1. DIP



※ Tolerance: ±0.5 [±0.02]

※ Dimensions in mm, []=inches



2. SMD (option S)

