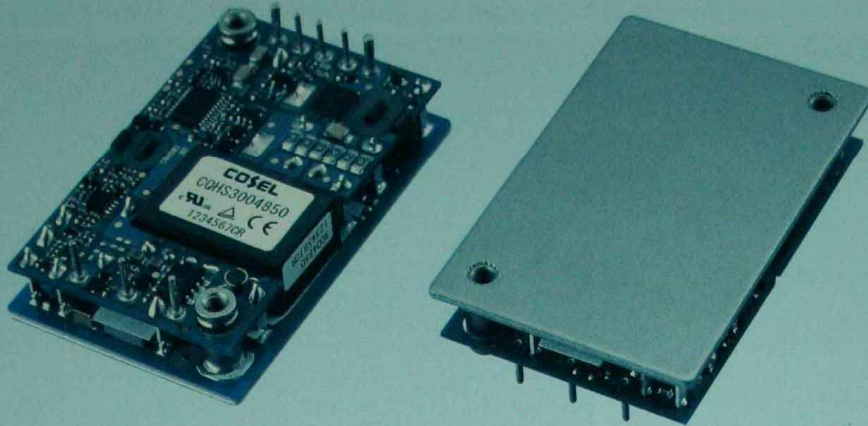


CQHS300

CQH S 300 48 50 -

① ② ③ ④ ⑤ ⑥

RoHS



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
48:DC36 - 76V
- ⑤ Output voltage
- ⑥ Optional
R :with Remote ON/OFF
Positive logic control
T :with Mounting hole
φ3.4 thru

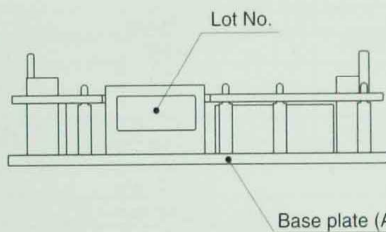
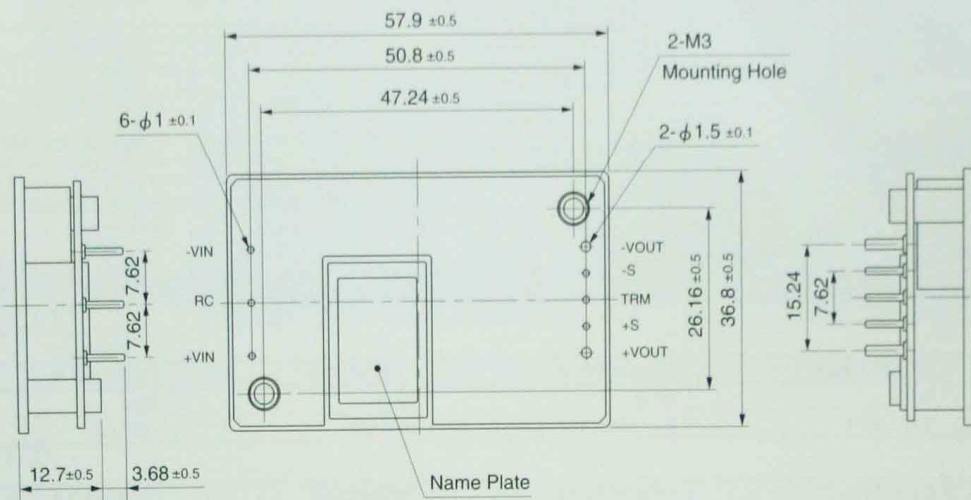
MODEL	CQHS3004832	CQHS3004850
MAX OUTPUT WATTAGE[W]	300.8	300
DC OUTPUT	32V 9.4A	50V 6A

SPECIFICATIONS

	MODEL	CQHS3004832	CQHS3004850	
INPUT	VOLTAGE[V]	DC36 - 76		
	CURRENT[A]	*1 6.74typ	6.65typ	
	EFFICIENCY[%]	*1 93typ	94typ	
	START-UP VOLTAGE[V]	DC32 - 36		
	HYSTERESIS VOLTAGE[V]	DC2 min		
OUTPUT	VOLTAGE[V]	32	50	
	CURRENT[A]	9.4	6.0	
	LINE REGULATION[mV]	64max	100max	
	LOAD REGULATION[mV]	64max	100max	
	RIPPLE[mVp-p]	-20 to +100°C *2	255max	400max
		-40 to -20°C *2	320max	500max
	RIPPLE NOISE[mVp-p]	-20 to +100°C *2	320max	500max
		-40 to -20°C *2	410max	650max
	TEMPERATURE REGULATION[mV]	0 to +65°C	320max	500max
		-40 to +100°C	640max	1000max
	DRIFT[mV]	*3 120max	185max	
	START-UP TIME[ms]	200max (DCIN 48V, Io=100%)		
OUTPUT VOLTAGE ADJUSTMENT RANGE[V] *4	Fixed (TRM pin open), adjustable by external resistor			
	27.2 - 35.2	45.0 - 55.0		
OUTPUT VOLTAGE SETTING[V] *1	31.68 - 32.32	49.50 - 50.50		
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating		
	OVERVOLTAGE PROTECTION[V]	36.80 - 44.80	56.50 - 67.50	
	REMOTE SENSING	Provided		
	REMOTE ON/OFF	Provided (Negative logic L : ON, H : OFF)		
ISOLATION	INPUT-OUTPUT	DC1,500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50M Ω min(20±15°C)		
	INPUT-BASE PLATE	DC1,500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50M Ω min(20±15°C)		
	OUTPUT-BASE PLATE	AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (20±15°C)		
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE	-40 to +100°C (On aluminum base plate), 20 - 95%RH (Non condensing)(Required Derating), 3,000m (10,000 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	57.9 × 12.7 × 36.8mm (W × H × D) / 75g max		
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)		

*1 At rated input(DC48V), rated load, and aluminum base plate temperature 25°C.
 *2 Ripple and ripple noise is measured by using measuring board with recommended capacitor Co & the film capacitor 0.1 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 Input voltage limitation is required.

External view



- ※ Tolerance : ± 0.3
- ※ Weight : 75g or less
- ※ Base Plate : Aluminum
- ※ Dimensions in mm
- ※ Mounting hole screwing torque : $0.49N \cdot m$ (5.0kgf · cm) max

