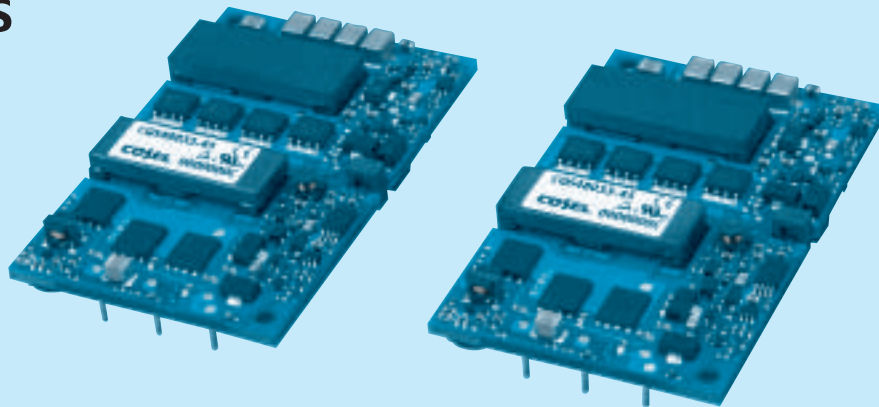




RoHS



★marked models : Consult with us for delivery.

- ①Series name
- ②Single output
- ③Input voltage
48:DC36 - 76V
- ④Output voltage
018:1.8V
025:2.5V
033:3.3V
050:5V
120:12V
- ⑤Output current
- ⑥Optional
R :with Remote ON/OFF
Positive logic control
V :Output voltage setting ±1%
N :Auto restart from thermal protection

MODEL	CQS48018-50	CQS48025-45	CQS48033-45	CQS48050-28	CQS48120-14
MAX OUTPUT WATTAGE[W]	90.0	112.5	148.5	140.0	168.0
DC OUTPUT	1.8V 50A	2.5V 45A	3.3V 45A	5V 28A	12V 14A

SPECIFICATIONS

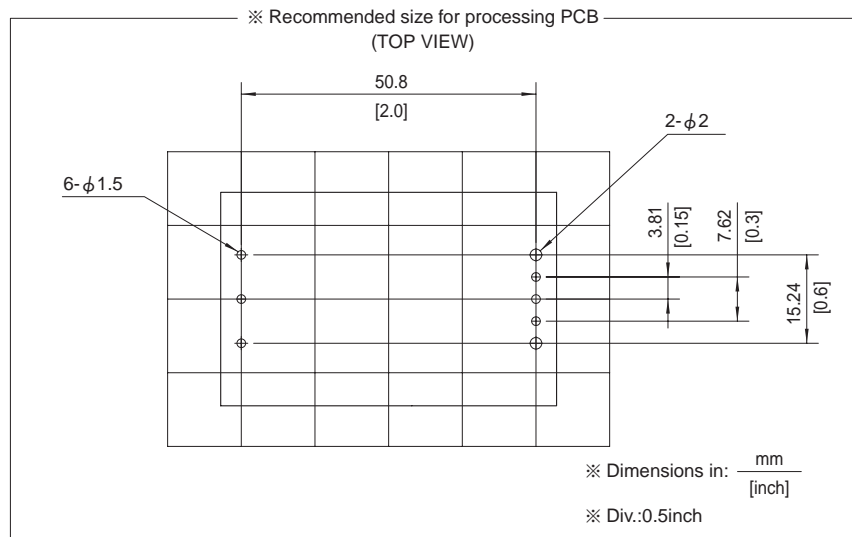
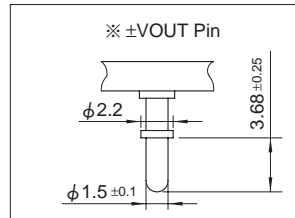
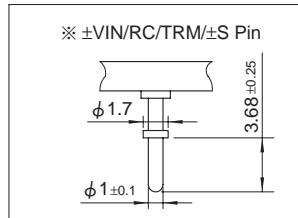
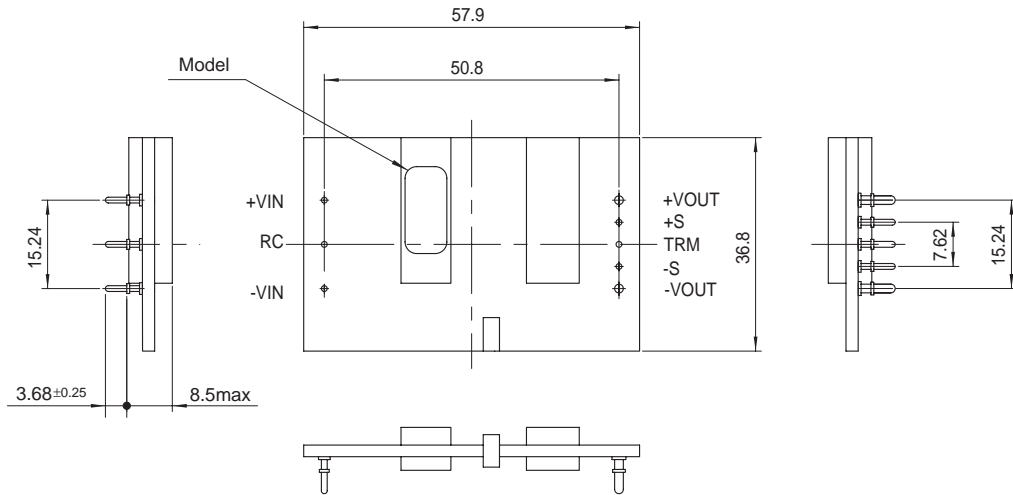
	MODEL	CQS48018-50	CQS48025-45	CQS48033-45	★CQS48050-28	★CQS48120-14	
INPUT	VOLTAGE[V]	DC36 - 76					
	CURRENT[A]	2.13typ	2.58typ	3.36typ	3.17typ	3.80typ	
	EFFICIENCY[%]	88typ	91typ	92typ	92typ	92typ	
	START-UP VOLTAGE[V]	DC32 - 36					
	HYSTERESIS VOLTAGE[V]	DC2 min					
OUTPUT	VOLTAGE[V]	1.8	2.5	3.3	5	12	
	CURRENT[A]	50	45	45	28	14	
	LINE REGULATION[mV]	±5max	±5max	±5max	±5max	±12max	
	LOAD REGULATION[mV]	±5max	±5max	±5max	±5max	±12max	
	RIPPLE	[mVrms]	20max	20max	20max	25max	40max
		[mVp-p]	60max	60max	60max	80max	120max
	RIPPLE NOISE[mVp-p]	100max	100max	100max	120max	150max	
	TEMPERATURE REGULATION[mV]	66max	66max	66max	100max	240max	
	DRIFT[mV]	16max	16max	16max	20max	40max	
	START-UP TIME[ms]	200max (DCIN 48V, Io=100%)					
OUTPUT VOLTAGE ADJUSTMENT RANGE	Fixed (TRM pin open), adjustable by external resistor						
	-20% / +10%		-15% / +15%		-20% / +10%		
OUTPUT VOLTAGE SETTING	±1.6%						
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating, low voltage protection (shut down) function is built-in.					
	OVERVOLTAGE PROTECTION	117% - 127%	125% - 135%		117% - 127%		
	REMOTE SENSING	Provided					
	REMOTE ON/OFF	Provided (Negative logic L:ON, H:OFF)					
ISOLATION	INPUT-OUTPUT	DC1,500V 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), 3,000m (10,000feet) max					
	STORAGE TEMP.,HUMID.AND ALTITUDE	-40 to +100°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) 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	57.9×8.5×36.8mm (W×H×D) / 40g 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. Refer to Instruction Manual.

*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.

External view



- ※ Tolerance: ±0.5
- ※ Mass: 40g or less
- ※ Dimensions in mm