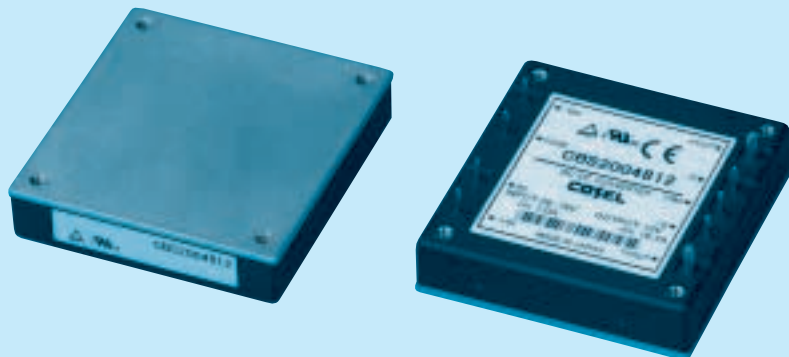




① Series name

② Single output

③ Output wattage

④ Input voltage

48 : DC36 - 76V

⑤ Output voltage

⑧ Optional

R : with Remote ON/OFF

Positive logic control

T : with Mounting hole

φ 3.4 thru

MODEL	CBS2004803	CBS2004805	CBS2004812	CBS2004815	CBS2004824	CBS2004828
MAX OUTPUT WATTAGE[W]	115.5	150.0	200.4	201.0	201.6	201.6
DC OUTPUT	3.3V 35A	5V 30A	12V 16.7A	15V 13.4A	24V 8.4A	28V 7.2A

SPECIFICATIONS

	MODEL	CBS2004803	CBS2004805	CBS2004812	CBS2004815	CBS2004824	CBS2004828
INPUT	VOLTAGE[V]	DC36 - 76					
	CURRENT[A]	*1 3.01typ	3.77typ	4.74typ	4.76typ	4.77typ	4.77typ
	EFFICIENCY[%]	*1 80typ	83typ	88typ	88typ	88typ	88typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15	24	28
	CURRENT[A]	35.0	30.0	16.7	13.4	8.4	7.2
	LINE REGULATION[mV]	10max	10max	24max	30max	48max	56max
	LOAD REGULATION[mV]	10max	10max	24max	30max	48max	56max
	RIPPLE[mVp-p]	-20 to +100°C *2	80max	80max	120max	120max	120max
		-40 to -20°C *2	120max	120max	150max	150max	150max
	RIPPLE NOISE[mVp-p]	-20 to +100°C *2	120max	120max	150max	150max	150max
		-40 to -20°C *2	200max	200max	200max	250max	250max
	TEMPERATURE REGULATION[mV]	0 to +65°C	35max	50max	120max	150max	240max
		-40 to +100°C	66max	100max	240max	300max	480max
PROTECTION CIRCUIT AND OTHERS	DRIFT[mV]	*3 16max	20max	40max	60max	90max	90max
	START-UP TIME[ms]	200max (DCIN 48V, Io=100%)					
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed (TRM pin open), 60 - 110% adjustable by external resistor					
		1.98 - 3.63	3.0 - 5.5	7.2 - 13.2	9.0 - 16.5	14.4 - 26.4	16.8 - 30.8
	OUTPUT VOLTAGE SETTING[V]	3.25 - 3.45	4.90 - 5.20	11.74 - 12.46	14.55 - 15.45	23.28 - 24.72	27.16 - 28.84
ISOLATION	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically					
	OVERVOLTAGE PROTECTION[V]	4.00 - 5.50	5.75 - 7.00	13.80 - 16.80	17.25 - 21.00	27.60 - 33.60	32.20 - 39.20
	REMOTE SENSING	Provided					
ENVIRONMENT	REMOTE ON/OFF	Provided (Negative logic L : ON, H : OFF)					
	INPUT-OUTPUT	DC1.500V or AC1.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min(20±15°C)					
	INPUT-CASE PIN, BASE PLATE	DC1.500V or AC1.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min(20±15°C)					
SAFETY	OUTPUT-CASE PIN, BASE PLATE	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15°C)					
	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +100°C (On aluminum base plate), 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					
OTHERS	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					
OTHERS	AGENCY APPROVALS	UL60950, C-UL, EN60950					
	CASE SIZE/WEIGHT	57.9 × 12.7 × 61.0mm (W × H × D) / 83g max					
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)					

*1 At rated input(DC48V) and rated load.

*2 Ripple and ripple noise is measured by using measuring board with recommended capacitor Co & the film capacitor 0.1 μF.
Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN:RM101).

*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 When the input voltage is in the range of DC36 - 40V, output voltage adjustment range is 60 - 105%.