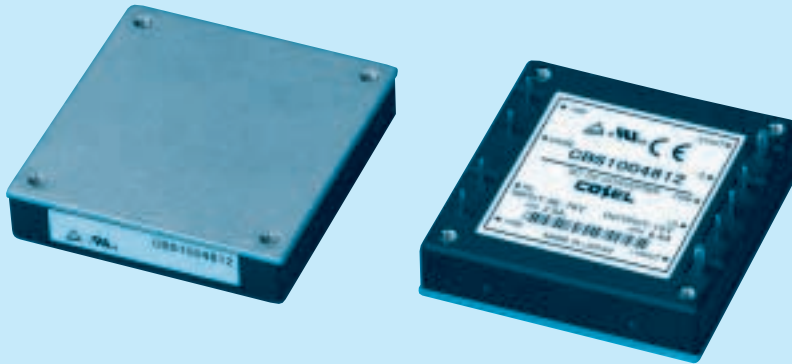




- ① Series name
 ② Single output
 ③ Output wattage
 ④ Input voltage
 24:DC18 - 36V
 48:DC36 - 76V
 ⑤ Output voltage
 ⑥ Optional
 R :with Remote ON/OFF
 Positive logic control
 T :with Mounting hole
 φ 3.4 thru
 F ☐ :with Addition of a
 Heat sink

MODEL	CBS1002403	CBS1002405	CBS1002412	CBS1002415	CBS1002424	CBS1002428	CBS1004803	CBS1004805	CBS1004812	CBS1004815	CBS1004824	CBS1004828
MAX OUTPUT WATTAGE[W]	77.2	100.0	100.8	100.5	100.8	100.8	77.2	100.0	100.8	100.5	100.8	100.8
DC OUTPUT	3.3V 23.4A	5V 20A	12V 8.4A	15V 6.7A	24V 4.2A	28V 3.6A	3.3V 23.4A	5V 20A	12V 8.4A	15V 6.7A	24V 4.2A	28V 3.6A

SPECIFICATIONS

	MODEL	*CBS1002403	CBS1002405	CBS1002412	*CBS1002415	*CBS1002424	CBS1002428	CBS1004803	CBS1004805	CBS1004812	CBS1004815	CBS1004824	CBS1004828	
INPUT	VOLTAGE[V]	DC18 - 36						DC36 - 76						
	CURRENT[A]	*1 4.07typ	5.02typ	4.77typ	4.81typ	4.83typ	4.83typ	2.01typ	2.48typ	2.36typ	2.38typ	2.39typ	2.39typ	
	EFFICIENCY[%]	*1 79typ	83typ	88typ	87typ	87typ	87typ	80typ	84typ	89typ	88typ	88typ	88typ	
OUTPUT	VOLTAGE[V]	3.3	5	12	15	24	28	3.3	5	12	15	24	28	
	CURRENT[A]	23.4	20.0	8.4	6.7	4.2	3.6	23.4	20.0	8.4	6.7	4.2	3.6	
	LINE REGULATION[mV]	10max	10max	24max	30max	48max	56max	10max	10max	24max	30max	48max	56max	
	LOAD REGULATION[mV]	10max	10max	24max	30max	48max	56max	10max	10max	24max	30max	48max	56max	
	RIPPLE[mVp-p]	-20 to +100℃ *2	80max	80max	120max	120max	120max	120max	80max	80max	120max	120max	120max	120max
		-40 to -20℃ *2	120max	120max	150max	150max	150max	150max	120max	120max	150max	150max	150max	150max
	RIPPLE NOISE[mVp-p]	-20 to +100℃ *2	120max	120max	150max	150max	150max	150max	120max	120max	150max	150max	150max	150max
		-40 to -20℃ *2	200max	200max	200max	200max	250max	250max	200max	200max	200max	200max	250max	250max
	TEMPERATURE REGULATION[mV]	0 to +65℃	35max	50max	120max	150max	240max	280max	35max	50max	120max	150max	240max	280max
		-40 to +100℃	66max	100max	240max	300max	480max	560max	66max	100max	240max	300max	480max	560max
	DRIFT[mV]	*3	16max	20max	40max	60max	90max	90max	16max	20max	40max	60max	90max	90max
	START-UP TIME[ms]	200max (DCIN 24V, Io=100%)						200max (DCIN 48V, Io=100%)						
PROTECTION CIRCUIT AND OTHERS	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed (TRM pin open), 60 - 110% adjustable by external resistor												
	OUTPUT VOLTAGE SETTING[V]	1.98 - 3.63	3.0 - 5.5	7.2 - 13.2	9.0 - 16.5	14.4 - 26.4	16.8 - 30.8	1.98 - 3.63	3.0 - 5.5	7.2 - 13.2	9.0 - 16.5	14.4 - 26.4	16.8 - 30.8	
	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	4.00 - 5.50	5.75 - 7.00	13.80 - 16.80	17.25 - 21.00	27.60 - 33.60	32.20 - 39.20	
ISOLATION	REMOTE SENSING	Provided												
	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℃)												
ENVIRONMENT	INPUT-CASE PIN, BASE PLATE	DC1,500V or AC1,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min(20±15℃)												
	OUTPUT-CASE PIN, BASE PLATE	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15℃)												
	OPERATING TEMP.,HUMID.AND ALTITUDE	-40 to +100℃ (On aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max												
SAFETY	STORAGE TEMP.,HUMID.AND ALTITUDE	-40 to +100℃, 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												
OTHERS	AGENCY APPROVALS	UL60950, C-UL, EN60950												
OTHERS	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(DC24V,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 DC18 - 20V, DC36 - 40V output voltage adjustment range is 60 - 105%.

★marked models : Consult with us for delivery.