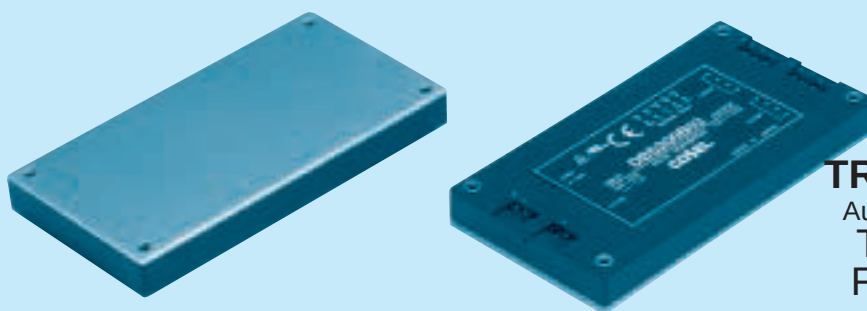




- 1 Series name
2 Single output
3 Output wattage
4 Input voltage
B : DC200 - 400V
5 Output voltage

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MODEL	DBS200B03	DBS200B05	DBS200B07	DBS200B12
MAX OUTPUT WATTAGE[W]	165	200	210	240
DC OUTPUT	3.3V 50A	5V 40A	7.5V 28A	12V 20A

SPECIFICATIONS

	MODEL	DBS200B03	DBS200B05	DBS200B07	DBS200B12
INPUT	VOLTAGE[V]	DC200 - 400			
	CURRENT[A]	*1 0.75typ	0.86typ	0.87typ	0.99typ
	EFFICIENCY[%]	*1 79typ	83typ	86typ	87typ
OUTPUT	VOLTAGE[V]	3.3	5	7.5	12
	CURRENT[A]	50	40	28	20
	LINE REGULATION[mV]	16max	20max	30max	40max
	LOAD REGULATION[mV]	30max	40max	60max	100max
	RIPPLE[mVp-p]	0 to +85°C *2 80max	80max	100max	120max
		-20 - 0°C *2 140max	140max	150max	160max
	RIPPLE NOISE[mVp-p]	0 to +85°C *2 100max	100max	140max	150max
		-20 - 0°C *2 150max	150max	160max	180max
	TEMPERATURE REGULATION[mV]	0 to +65°C 35max	50max	75max	120max
		-20 to +85°C 60max	85max	130max	200max
PROTECTION CIRCUIT AND OTHERS	DRIFT[mV]	*3 16max	20max	30max	40max
	START-UP TIME[ms]	200max (DCIN 280V, I _o =100%)			
	OUTPUT VOLTAGE ADJUSTMENT RANGE	Fixed (TRM pin open), 60 - 110% adjustable by external VR or external voltage			
	OUTPUT VOLTAGE SETTING[V]	3.25 - 3.45	4.90 - 5.20	7.25 - 7.85	11.60 - 12.60
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically			
	OVERVOLTAGE PROTECTION	4.00 - 5.50V	5.75 - 7.00V	8.60 - 10.50V	13.80 - 16.80V
	REMOTE SENSING	Provided			
	REMOTE ON/OFF	Provided (On both side of input and output)			
	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MW min (20 t 15°C)			
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MW min (20 t 15°C)			
ISOLATION	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MW min (20 t 15°C)			
	OUTPUT-RC2,RC3	AC100V 1minute, Cutoff current = 100mA, DC100V 10MW min (20 t 15°C)			
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-20 to +85°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 +85°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	UL1950, C-UL, EN60950, VDE0160 Complies with DEN-AN and IEC60950			
OTHERS	CASE SIZE/WEIGHT	61 × 12.7 × 116.8mm (W × H × D) / 150g max			
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)			

*1 At rated input (DC280V) and rated load.

*2 Ripple and ripple noise is measured by using measuring board
Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN:RM101).

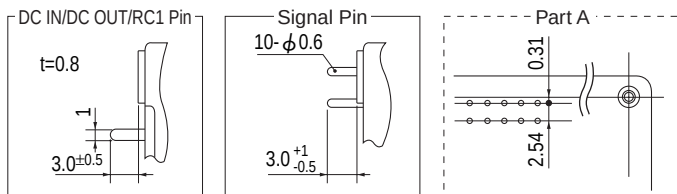
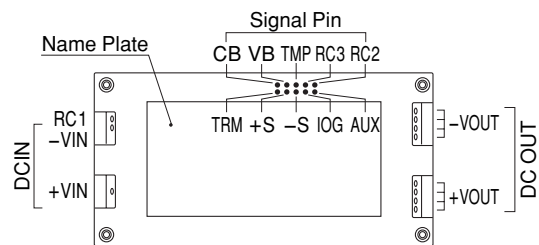
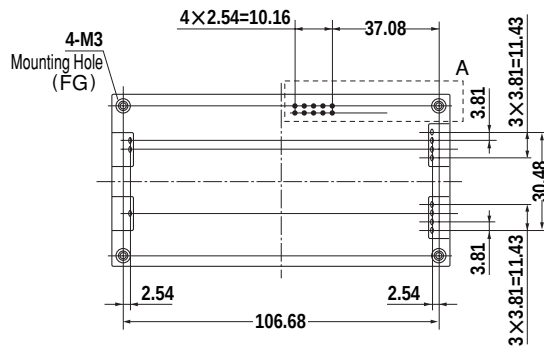
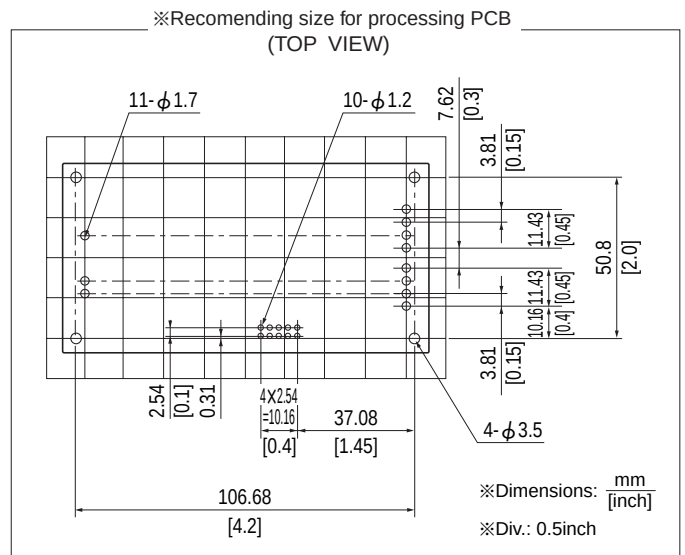
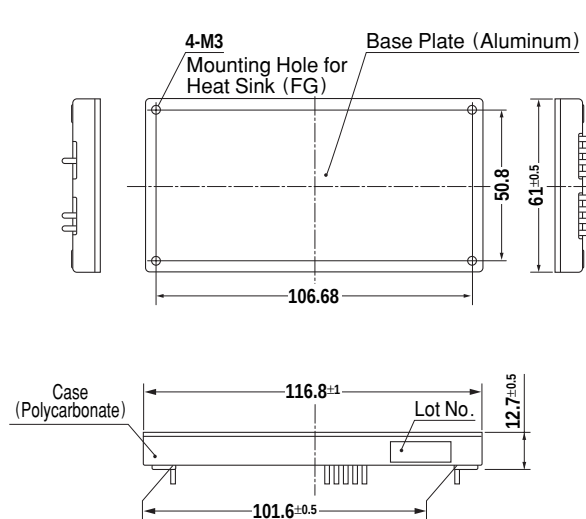
*3 Drift is the change in DC output for an eight hour period at

with the recommended capacitor Co & the film capacitor C_f 0.1
lent to KEISOKU-GIKEN:RM101).

ter a half-hour warm-up with the input voltage held constant at the rated input/output.

tput.

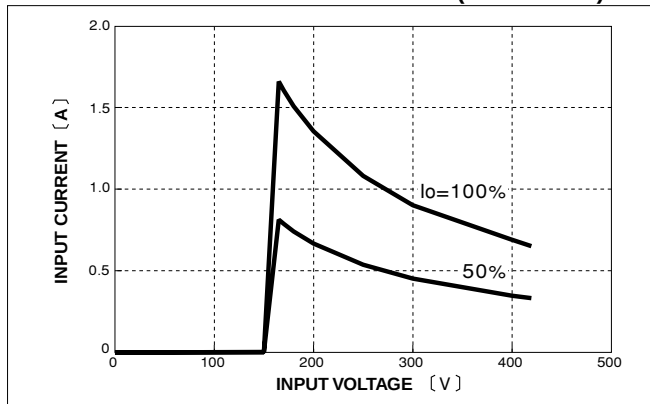
External view



- ※Weight: 150g or less
- ※Tolerance: ± 0.3
- ※Case: PBT
- ※Base Plate: Aluminum
- ※Dimensions in mm.
- ※Mounting hole screwing torque: $0.4\text{N} \cdot \text{m}$ (5.0kgf · cm)

Performance data

INPUT CURRENT CHARACTERISTICS (DBS200B12)



EFFICIENCY CHARACTERISTICS

