

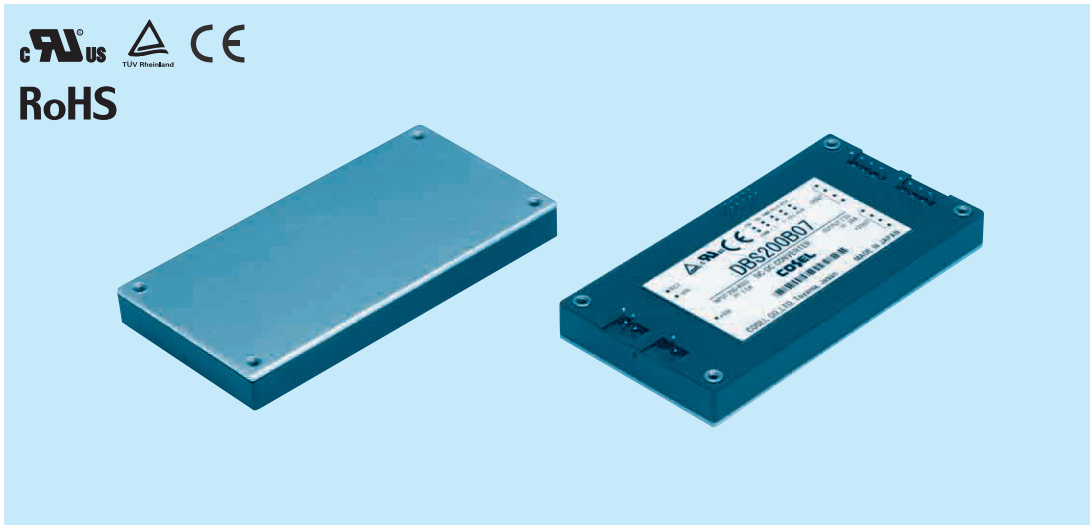
DBS200B

DB S 200 B 03

① ② ③ ④ ⑤



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



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	
DBS 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
DRIFT[mV]	*3 16max	20max	30max	40max		
START-UP TIME[ms]	200max (DCIN 280V, Io=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		
PROTECTION CIRCUIT AND OTHERS	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)				
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)				
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)				
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15°C)				
	OUTPUT-RC2,RC3	AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (20±15°C)				
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE *4	-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	UL60950-1, C-UL, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1				
OTHERS	CASE SIZE/WEIGHT	61 × 12.7 × 116.8mm [2.4 × 0.5 × 4.6 inches] (W×H×D) / 150g max				
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)				

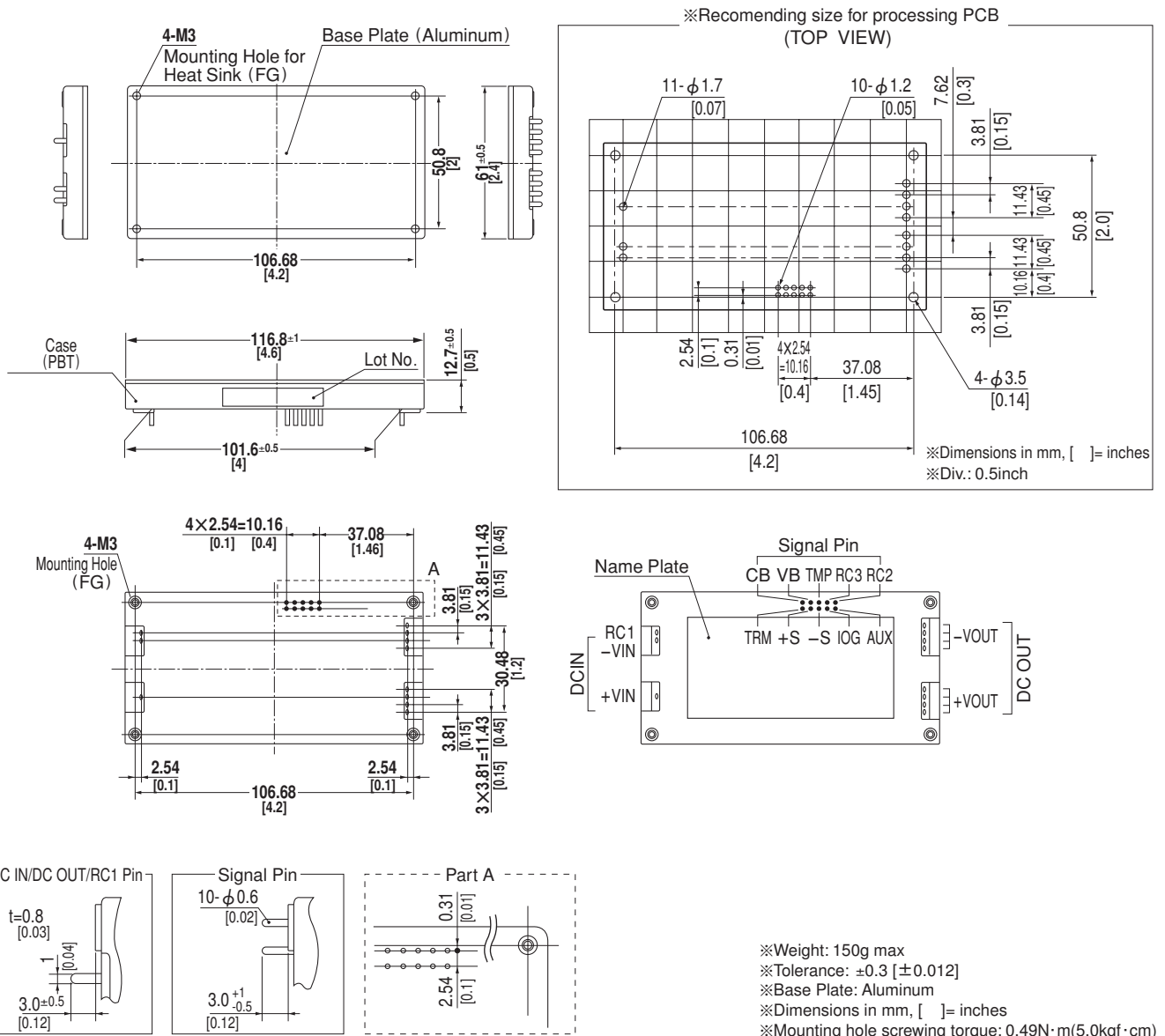
*1 At rated input(DC280V) and rated load.

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

*4 Please consult us in regard to use from -40°C.

External view

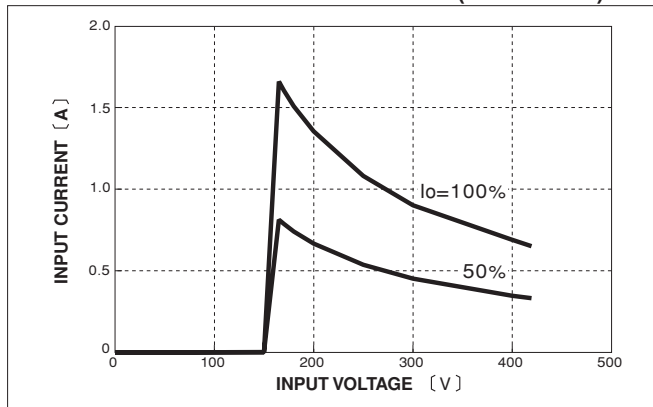


DBS

- ※Weight: 150g max
- ※Tolerance: ± 0.3 [± 0.012]
- ※Base Plate: Aluminum
- ※Dimensions in mm, [] = inches
- ※Mounting hole screwing torque: 0.49N·m(5.0kgf·cm)

Performance data

INPUT CURRENT CHARACTERISTICS (DBS200B12)



EFFICIENCY CHARACTERISTICS

