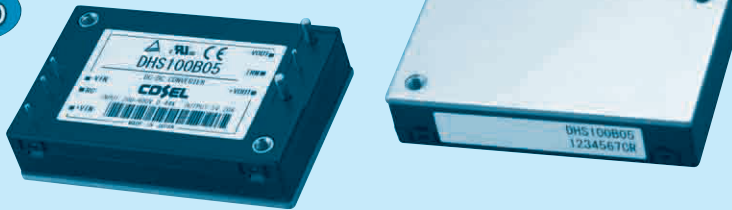
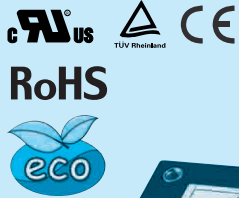


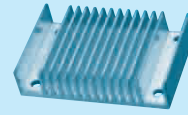
DHS100B

DH S 100 B 05 -□

① ② ③ ④ ⑤ ⑥



*Providing heat sink as option



- ① Series name
- ② Single output
- ③ Output wattage
- ④ B : DC200-400V
- ⑤ Output voltage
- ⑥ Optional
- T : with Mounting hole (φ 3.4 thru)

MODEL	DHS100B03	DHS100B05	DHS100B12	DHS100B15	DHS100B24	DHS100B28
MAX OUTPUT WATTAGE[W]	66.0	100.0	100.8	100.5	100.8	100.8
DC OUTPUT	3.3V 20A	5V 20A	12V 8.4A	15V 6.7A	24V 4.2A	28V 3.6A

SPECIFICATIONS

	MODEL	DHS100B03	DHS100B05	DHS100B12	DHS100B15	DHS100B24	DHS100B28
INPUT	VOLTAGE[V]	DC200 - 400					
	CURRENT[A]	*1 0.30A	0.44A	0.42A	0.42A	0.42A	0.42A
	EFFICIENCY[%]	*1 79.0typ	82.0typ	85.0typ	86.0typ	86.0typ	86.0typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15	24	28
	CURRENT[A]	20	20	8.4	6.7	4.2	3.6
	LINE REGULATION[mV]	10max	10max	24max	30max	48max	56max
	LOAD REGULATION[mV]	10max	10max	24max	30max	48max	56max
	RIPPLE[mVp-p]	0 to +100℃ *2	80max	80max	120max	120max	120max
		-40 to 0℃ *2	120max	120max	150max	150max	150max
		0 to 15% Load *2	160max	160max	240max	240max	240max
	RIPPLE NOISE[mVp-p]	0 to +100℃ *2	120max	120max	150max	150max	150max
		-40 to 0℃ *2	200max	200max	200max	250max	250max
		0 to 15% Load *2	240max	240max	300max	300max	300max
	TEMPERATURE REGULATION[mV]	0 to +65℃	35max	50max	120max	150max	280max
		-40 to +100℃	66max	100max	240max	480max	560max
	DRIFT[mV]	*3 16max	20max	40max	60max	90max	90max
	START-UP TIME[ms]	200max (DCIN 280V, Io=100%)					
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed (TRM pin open), adjustable by external VR or external voltage					
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically					
	OVERVOLTAGE PROTECTION[V]	4.20 - 5.70	6.30 - 7.60	13.90 - 17.55	17.25 - 21.75	27.60 - 34.80	32.20 - 40.60
	REMOTE SENSING	None					
	REMOTE ON/OFF	Provided (Negative Logic L : ON, H :OFF)					
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)					
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)					
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15℃)					
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +100℃ (On aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000 feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100℃, 20 - 95%RH (Non condensing), 9,000m (30,000 feet) 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					
OTHERS	CASE SIZE/WEIGHT	58.4×12.7×37.3mm [2.3×0.5×1.47 inches] (W×H×D) / 60g max					
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)					

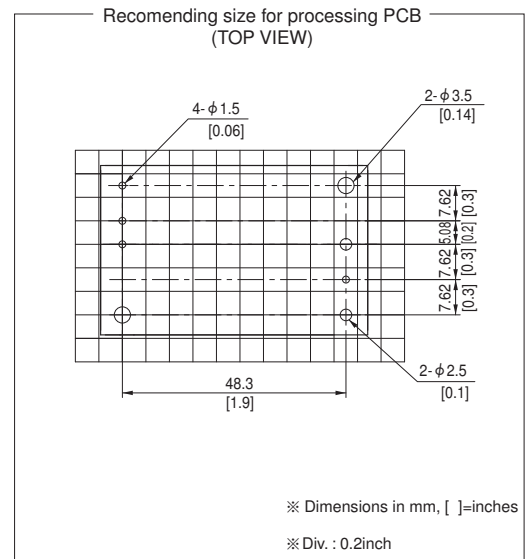
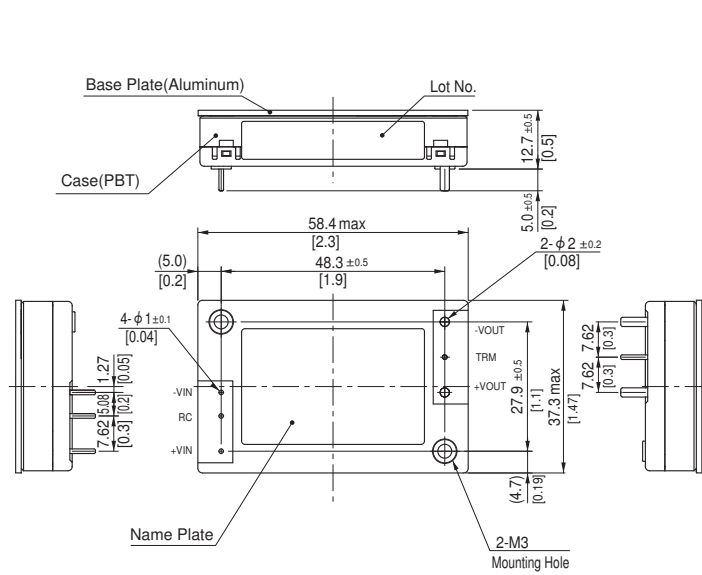
*1 At rated input(DC280V) and rated load.

*2 Ripple and ripple noise is measured by using measuring board. 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℃, with the input voltage held constant at the rated input/output.

*4 Refer to the manual for input range.

External view



※ Tolerance : ±0.3 [±0.012]

※ Weight : 60g max

※ Dimensions in mm, []=inches

※ Mounting hole screwing torque : 0.49N · m (5.0kgf · cm) max