

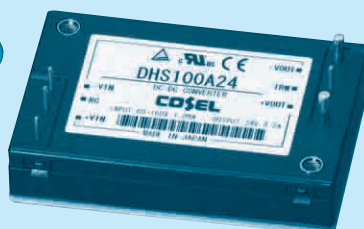
DHS100A

DH S 100 A 05 -□

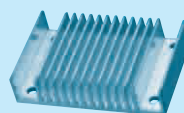
① ② ③ ④ ⑤ ⑥



RoHS



*Providing heat sink as option



- ① Series name
② Single output
③ Output wattage
④ A : DC60-160V
⑤ Output voltage
⑥ Optional
T : with Mounting hole (φ 3.4 thru)

MODEL	DHS100A05	DHS100A12	DHS100A15	DHS100A24
MAX OUTPUT WATTAGE[W]	100.0	100.8	100.5	100.8
DC OUTPUT	5V 20A	12V 8.4A	15V 6.7A	24V 4.2A

SPECIFICATIONS

	MODEL	DHS100A05	DHS100A12	DHS100A15	DHS100A24
INPUT	VOLTAGE[V]	DC60 - 160			
	CURRENT[A]	1.1A	1.1A	1.1A	1.1A
	EFFICIENCY[%]	85.0typ	88.0typ	88.0typ	88.0typ
OUTPUT	VOLTAGE[V]	5	12	15	24
	CURRENT[A]	20	8.4	6.7	4.2
	LINE REGULATION[mV]	10max	24max	30max	48max
	LOAD REGULATION[mV]	10max	24max	30max	48max
	RIPPLE[mVp-p]	0 to +100℃ *2	80max	120max	120max
		-40 to 0℃ *2	120max	150max	150max
		0 to 15% Load *2	160max	240max	240max
	RIPPLE NOISE[mVp-p]	0 to +100℃ *2	120max	150max	150max
		-40 to 0℃ *2	200max	200max	250max
		0 to 15% Load *2	240max	300max	300max
	TEMPERATURE REGULATION[mV]	0 to +65℃	50max	150max	240max
		-40 to +100℃	100max	300max	480max
	DRIFT[mV]	20max	40max	60max	90max
	START-UP TIME[ms]	200max (DCIN 110V, Io=100%)			
PROTECTION CIRCUIT AND OTHERS	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed (TRM pin open), adjustable by external VR or external voltage			
		4.50 - 6.00	10.80 - 13.20	13.50 - 16.50	21.60 - 26.40
	OUTPUT VOLTAGE SETTING[V]	4.97 - 5.13	11.91 - 12.29	14.76 - 15.24	23.62 - 24.38
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically			
	OVERVOLTAGE PROTECTION[V]	6.30 - 7.60	13.90 - 17.55	17.25 - 21.75	27.60 - 34.80
ISOLATION	REMOTE SENSING	nothing			
	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 Complies with IEC61373 Category 1 Class B			
	IMPACT	196.1m/s ² (20G), 11ms, once each along X, Y and Z axis Complies with IEC61373 Category 1 Class B			
SAFETY	AGENCY APPROVALS	UL60950-1, C-UL (CSA60950-1), 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)			

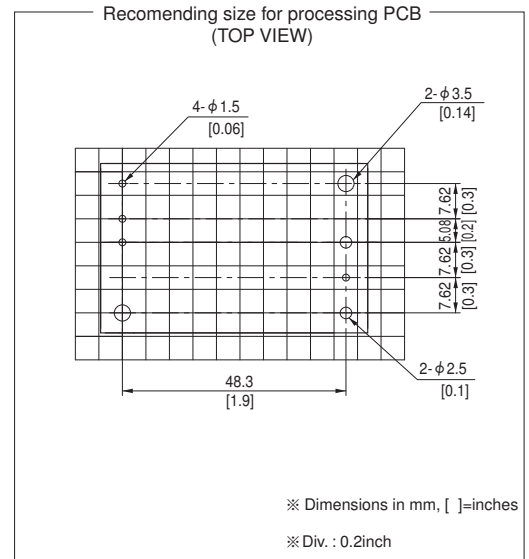
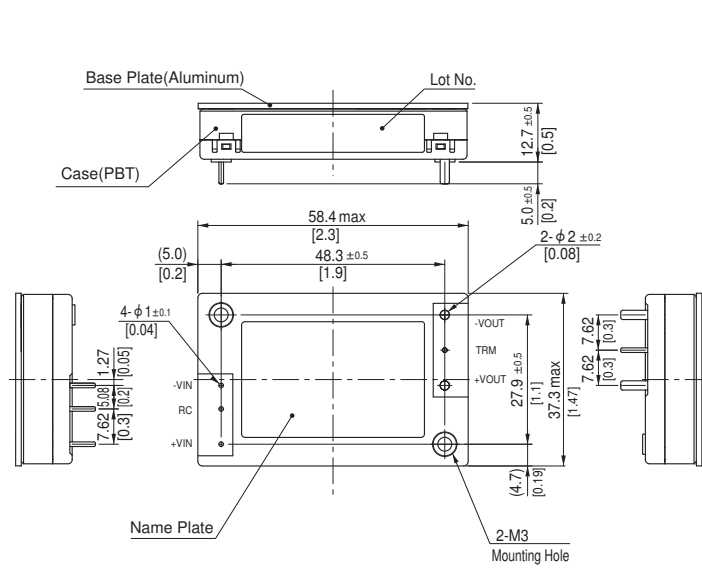
*1 At rated input(DC110V) and rated load.

*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