

DHV-30W SERIES, 30WATT, 4:1 INPUT RANGE

FEATURES:

- ✓ Wide input range(4:1)
- ✓ Six-side shielded metal case
- ✓ Low ripple and noise
- ✓ Over current and short circuit protection
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DHV30W-2410	24(9~36)	3.3	6000	86%
DHV30W-2411		5	6000	88%
DHV30W-2413		12	2500	89%
DHV30W-2414		15	2000	89%
DHV30W-2415		24	1250	90%
DHV30W-4810	48(18~72)	3.3	6000	86%
DHV30W-4811		5	6000	88%
DHV30W-4813		12	2500	87%
DHV30W-4814		15	2000	89%
DHV30W-4815		24	1250	90%

Notes:

1. Other input and output models may available on request;
2. Above models are default to metal case;
3. Add suffix "C" for CTRL pin function.

ELECTRICAL

Output voltage accuracy		±2% max.
Line regulation	Nominal Load, full voltage	±1% max.
Load regulation	20% ~ 100% rated load	±2% max.
Ripple and noise	20MHz BM, full load	100mVp-p max.
Operating frequency	Typical value	300KHz typ.
Isolation capacitor	Typical value	2000pF
Isolation voltage (<0.5mA/min)	Input to output	1500Vdc
Operating temperature range	---	-40°C to +85°C
Storage temperature range	---	-55°C to +125°C
Maximum case temperature		+105°C
Over voltage protection		110%~150%Vo
Over current protection		110%~200%Io typ.

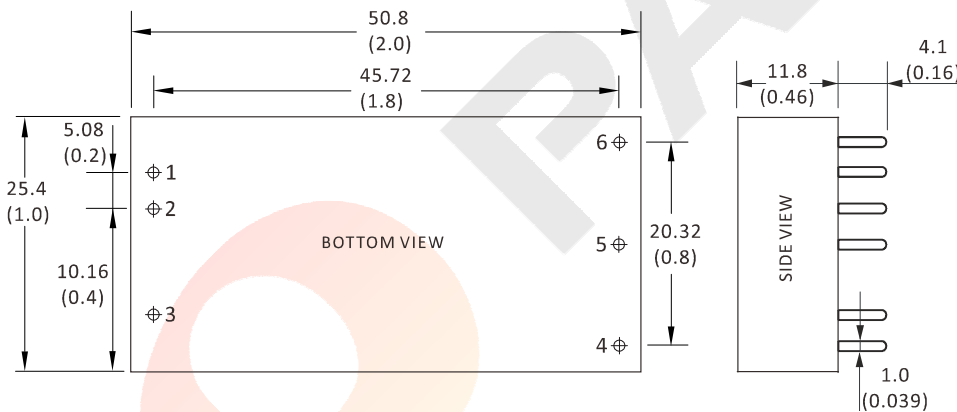
DHV-30W SERIES, 30WATT, 4:1 INPUT RANGE

ELECTRICAL

Output adjustment	Trim pin function	±10% typ.
Short circuit protection	Hiccup mode, continuous, auto-recovery	
Cooling method	---	Cooling by air convection
Relative humidity	---	5%-95%, no condensing
Weight	---	28g
MTBF	Bellcore TR-332, 25°C	200KHrs

Notes: Unless otherwise specified, all the parameters of the test conditions are as follows: ambient temperature 25°C, the nominal input voltage, pure resistive nominal load.

MECHANICAL



CONNECTION

PIN #	SINGLE
1	+Vin
2	-Vin
3	No Pin
4	TRIM
5	-Vo
6	+Vo

CONNECTION - "CTRL"

PIN #	SINGLE
1	+Vin
2	-Vin
3	CTRL
4	TRIM
5	-Vo
6	+Vo

Note:

* Unit is mm(inch).

DHV-30W SERIES, 30WATT, 4:1 INPUT RANGE

ELECTRICAL CURVE

