

DAV-1W SERIES, 1WATT, REGULATED WITH 4:1 INPUT RANGE

FEATURES:

- ✓ Wide (4:1) input voltage range
- ✓ 1500Vdc isolation voltage
- ✓ Regulated single and dual output models
- ✓ Continuous short circuit protection
- ✓ High efficiency, low ripple & noise
- ✓ Operating temperature range -40°C to +85°C
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)		Efficiency Typ.
			Min.	Max.	
DAV1W-2411	24(9~36)	5	20	200	73%
DAV1W-2412		9	11	111	74%
DAV1W-2413		12	8	83	76%
DAV1W-2414		15	7	67	77%
DAV1W-2415		24	4	42	78%
DAV1W-2421		±5	10	100	72%
DAV1W-2422		±9	6	56	74%
DAV1W-2423		±12	4	42	75%
DAV1W-2424		±15	3	33	77%
DAV1W-2425		±24	2	21	78%
DAV1W-4811	48(18~72)	5	20	200	70%
DAV1W-4812		9	11	111	72%
DAV1W-4813		12	8	83	73%
DAV1W-4814		15	7	67	75%
DAV1W-4815		24	4	42	77%
DAV1W-4821		±5	10	100	70%
DAV1W-4822		±9	6	56	71%
DAV1W-4823		±12	4	42	73%
DAV1W-4824		±15	3	33	75%
DAV1W-4825		±24	2	21	77%

Notes: other input and output models may available on request.

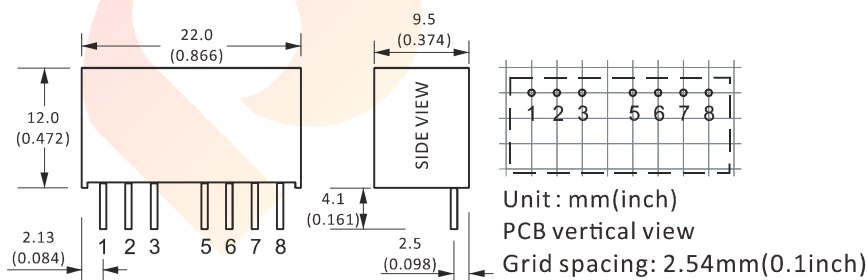
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ELECTRICAL

Output voltage accuracy (Full voltage, full load)	+Vo -Vo	≤±2% max. ≤±3% max.
Line regulation	Nominal load, full voltage	±0.5% max.
Load regulation	10% ~ 100% rated load	±1% max.
Ripple and noise	Nominal load and voltage, 20MHz bandwidth	100mVp-p max.
Temperature coefficient	Full load	±0.03%/°C
Continuous short circuit protection	---	Auto-recovery
Operating frequency	---	100KHz Typ.
Operating temperature range	---	-40°C to +85°C
Storage temperature range	Humidity 5%~95%RH non-condensing	-55°C to +125°C
Isolation voltage	≤0.5mA / 1min	1500Vdc
Isolation resistance	---	1000mΩ
MTBF	MIL-HDBK-217F@25°C	1000KHrs
Weight	---	5.0g

Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.

MECHANICAL

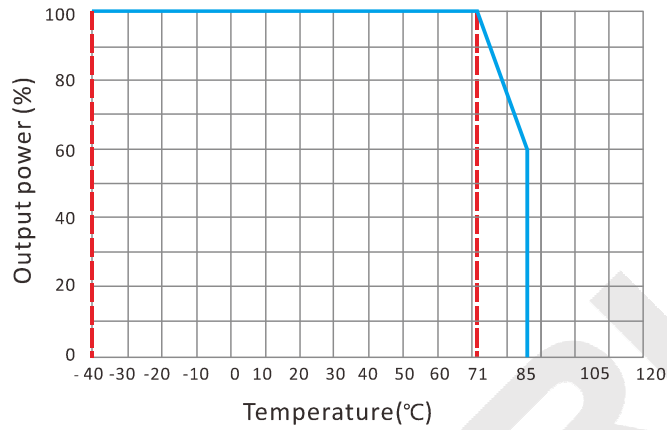
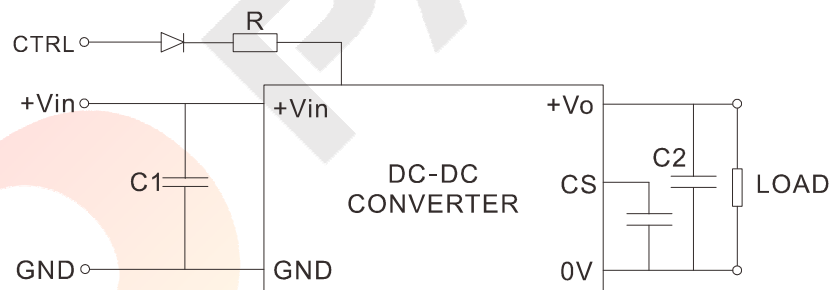
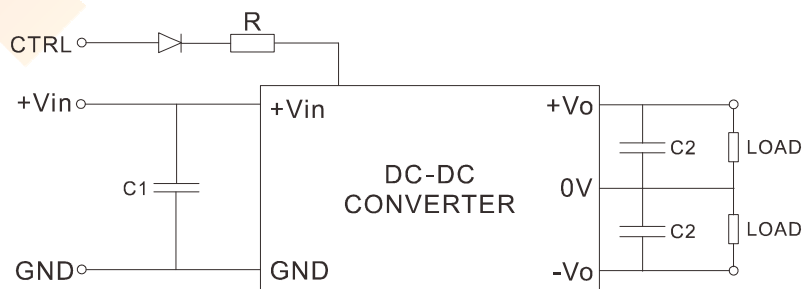


CONNECTION

PIN #	SINGLE	DUAL
1	GND	GND
2	+Vin	+Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	0V	0V
8	CS	-Vo

Note:

* Unit is mm(inch).

DAV-1W SERIES, 1WATT, REGULATED WITH 4:1 INPUT RANGE
ELECTRICAL CURVE

NOTES
RECOMMENDED TEST AND APPLICATION CIRCUIT
SINGLE OUTPUT

DUAL OUTPUT


DAV-1W SERIES, 1WATT, REGULATED WITH 4:1 INPUT RANGE
NOTES
CAPACITOR SELECTION

INPUT VOLTAGE	C1	SINGLE OUTPUT	C2	DUAL OUTPUT	C2
24VDC	100 μ F	5VDC	470 μ F	\pm 5VDC	220 μ F
48VDC	47 μ F	9VDC	220 μ F	\pm 9VDC	100 μ F
--	--	12VDC	100 μ F	\pm 12VDC	47 μ F
--	--	15VDC	100 μ F	\pm 15VDC	47 μ F
--	--	24VDC	47 μ F	\pm 24VDC	22 μ F