

DAV-2 SERIES, 2WATT, REGULATED WITH 2:1 INPUT RANGE

FEATURES:

- ✓ Wide (2:1) input voltage range
- ✓ 1500Vdc isolation voltage
- ✓ Regulated single and dual output models
- ✓ With remote off function
- ✓ No overshoot when switch on & off
- ✓ Continuous short circuit protection
- ✓ 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.		
DAV2-0510	5(4.5~9)	3.3	60.6	606	74%	
DAV2-0511		5	40	400	72%	
DAV2-0512		9	22	220	74%	
DAV2-0513		12	16.6	166	74%	
DAV2-0514		15	13.6	136	76%	
DAV2-0515		24	8.4	84	76%	
DAV2-0521		±5	20	200	72%	
DAV2-0522		±9	11	110	72%	
DAV2-0523		±12	8	80	74%	
DAV2-0524		±15	6.6	66	76%	
DAV2-0525		±24	4.2	42	76%	
DAV2-1210		12(9~18)	3.3	60.6	606	74%
DAV2-1211			5	40	400	76%
DAV2-1212			9	22	220	76%
DAV2-1213			12	16.6	166	78%
DAV2-1214	15		13.6	136	78%	
DAV2-1215	24		8.4	84	78%	
DAV2-1221	±5		20	200	76%	
DAV2-1222	±9		11	110	78%	
DAV2-1223	±12		8	80	78%	
DAV2-1224	±15		6.6	66	78%	
DAV2-1225	±24		4.2	42	78%	
DAV2-2410	24(18~36)		3.3	60.6	606	74%
DAV2-2411			5	40	400	78%
DAV2-2412			9	22	220	78%
DAV2-2413			12	16.6	166	78%

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Model	Input voltage (Vdc)	Output voltage (Vdc)	Output Current (mA)		Efficiency Typ.
			Min.	Max.	
DAV2-2414	24(18~36)	15	13.6	136	80%
DAV2-2415		24	8.4	84	80%
DAV2-2421		±5	20	200	78%
DAV2-2422		±9	11	110	78%
DAV2-2423		±12	8	80	80%
DAV2-2424		±15	6.6	66	80%
DAV2-2425		±24	4.2	42	80%
DAV2-4810	48(36~72)	3.3	60.6	606	74%
DAV2-4811		5	40	400	74%
DAV2-4812		9	22	220	74%
DAV2-4813		12	16.6	166	78%
DAV2-4814		15	13.6	136	78%
DAV2-4815		24	8.4	84	78%
DAV2-4821		±5	20	200	74%
DAV2-4822		±9	11	110	78%
DAV2-4823		±12	8	80	78%
DAV2-4824		±15	6.6	66	78%
DAV2-4825		±24	4.2	42	78%

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

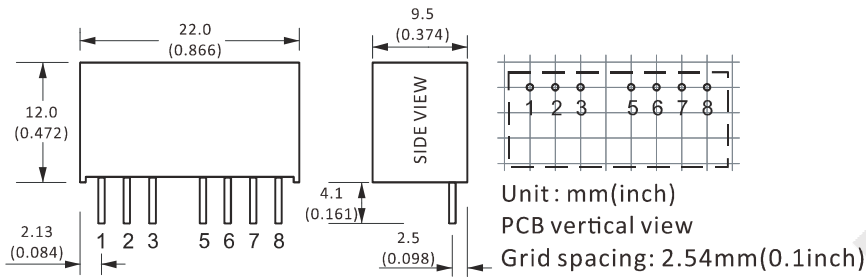
ELECTRICAL

Output voltage accuracy (Full voltage, full load)	+Vo	≤±2.0%
	-Vo	≤±3.0%
	Vo(no-load)	Main: ≤±3.0%, Aux.:≤±5.0%
Line regulation	Nominal load, full voltage	Main: ≤±0.2%, Aux.:≤±5.0%
Load regulation	10% ~ 100% rated load	Main: ≤±0.5%, Aux.:≤±0.75%
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	---	250KHz 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
MTBF	MIL-HDBK-217F@25°C	1000KHrs
Weight	---	4.8g

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.

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MECHANICAL



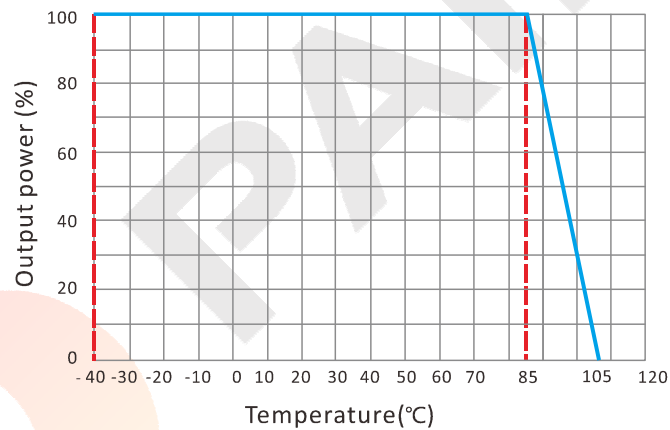
CONNECTION

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).

ELECTRICAL CURVE

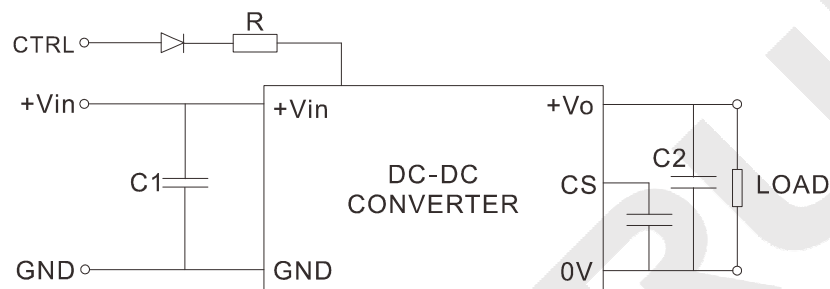


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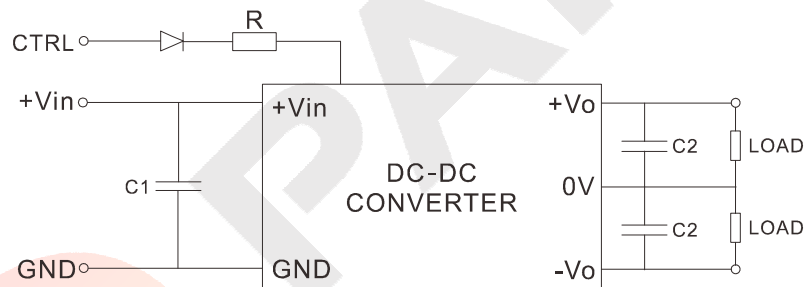
NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT

SINGLE OUTPUT



DUAL OUTPUT



CAPACITOR SELECTION

INPUT VOLTAGE	C1	SINGLE OUTPUT	C2	DUAL OUTPUT	C2
5VDC	47 μ F	3.3VDC	330 μ F	\pm 5VDC	100 μ F
12VDC	22 μ F	5VDC	330 μ F	\pm 9VDC	68 μ F
24VDC	10 μ F	9VDC	220 μ F	\pm 12VDC	47 μ F
48VDC	10 μ F	12VDC	100 μ F	\pm 15VDC	47 μ F
--	--	15VDC	100 μ F	\pm 24VDC	10 μ F
--	--	24VDC	47 μ F	--	--