

DAV-3 SERIES, 3WATT, 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.	
DAV3-0511	5(4.5~9)	5	60	600	80%
DAV3-0512		9	33.3	333	80%
DAV3-0513		12	25	250	80%
DAV3-0514		15	20	200	80%
DAV3-0515		24	12.5	125	80%
DAV3-0521		±5	30	300	80%
DAV3-0522		±9	16.7	167	80%
DAV3-0523		±12	12.5	125	80%
DAV3-0524		±15	10	100	80%
DAV3-0525		±24	6.25	62.5	80%
DAV3-1211	12(9~18)	5	60	600	80%
DAV3-1212		9	33.3	333	80%
DAV3-1213		12	25	250	80%
DAV3-1214		15	20	200	80%
DAV3-1215		24	12.5	125	80%
DAV3-1221		±5	30	300	80%
DAV3-1222		±9	16.7	167	80%
DAV3-1223		±12	12.5	125	80%
DAV3-1224		±15	10	100	80%
DAV3-1225		±24	6.25	62.5	80%
DAV3-2411	24(18~36)	5	60	600	80%
DAV3-2412		9	33.3	333	80%
DAV3-2413		12	25	250	80%
DAV3-2414		15	20	200	80%
DAV3-2415		24	12.5	125	80%
DAV3-2421		±5	30	300	80%

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Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)		Efficiency Typ.
			Min.	Max.	
DAV3-2422	24(18~36)	±9	16.7	167	80%
DAV3-2423		±12	12.5	125	80%
DAV3-2424		±15	10	100	80%
DAV3-4811	48(36~72)	5	60	600	80%
DAV3-4812		9	33.3	333	80%
DAV3-4813		12	25	250	80%
DAV3-4814		15	20	200	80%
DAV3-4815		24	12.5	125	80%
DAV3-4821		±5	30	300	80%
DAV3-4822		±9	16.7	167	80%
DAV3-4823		±12	12.5	125	80%
DAV3-4824		±15	10	100	80%
DAV3-4825		±24	6.25	62.5	80%

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

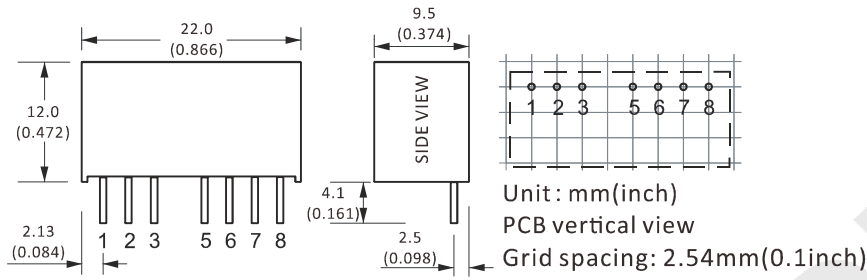
**ELECTRICAL**

Output voltage accuracy (Full voltage, full load)	+Vo -Vo Vo(no-load)	≤±2% ≤±3% Main: ≤±3%, Aux.:≤±5%
Line regulation	Nominal load, full voltage	Main: ≤±0.2%, Aux.:≤±5%
Load regulation	10% ~ 100% rated load	Main: ≤±2%, Aux.:≤±0.75%
Ripple and noise	Nominal load and voltage, 20MHz bandwidth	75mVp-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
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.

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MECHANICAL



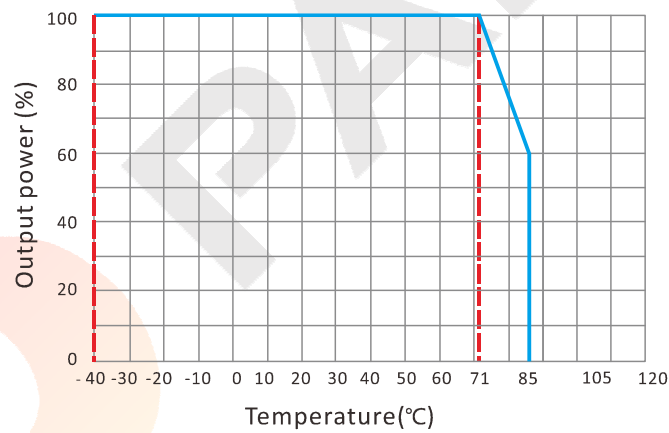
CONNECTION

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

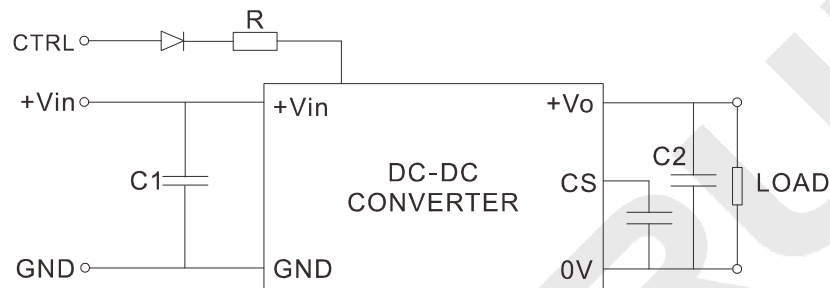


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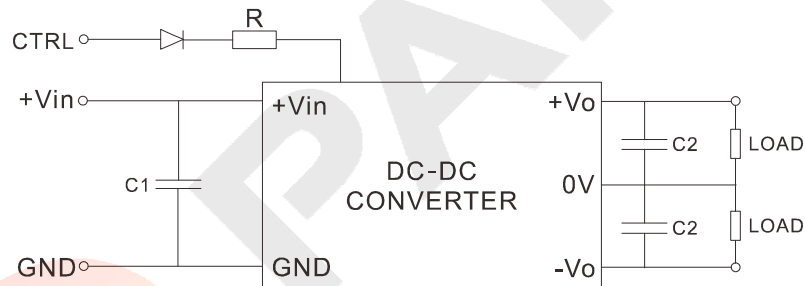
NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT

SINGLE OUTPUT



DUAL OUTPUT



CAPACITOR SELECTION

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