

DNV-3W SERIES, 3WATT, 4:1 INPUT RANGE

FEATURES:

- ✓ 1500Vdc isolation voltage
- ✓ Metal/Plastic case with low ripple and noise
- ✓ Short circuit and input under voltage protection
- ✓ Operating temperature range -40°C to +85°C
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DNV3W-2411	24(9~36)	5	600	78%
DNV3W-2415		9	333	77%
DNV3W-2412		12	250	81%
DNV3W-2414		15	200	80%
DNV3W-2413		24	125	81%
DNV3W-2421		±5	300	76%
DNV3W-2425		±9	167	79%
DNV3W-2422		±12	125	80%
DNV3W-2423		±15	100	80%
DNV3W-2424		±24	60	81%
DNV3W-4811	48(18~72)	5	600	76%
DNV3W-4815		9	333	80%
DNV3W-4812		12	250	82%
DNV3W-4814		15	200	80%
DNV3W-4813		24	125	81%
DNV3W-4821		±5	300	78%
DNV3W-4825		±9	167	79%
DNV3W-4822		±12	125	82%
DNV3W-4823		±15	100	81%
DNV3W-4824		±24	60	82%

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

Above models are default to plastic case, you may request for the models with metal case, plus "M" in the suffix.

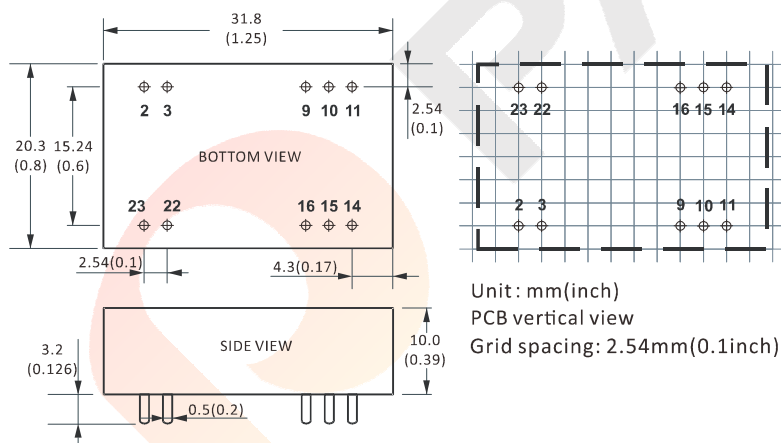
ELECTRICAL

Output voltage accuracy (Full voltage, full load)	+Vo	±2% max.
	-Vo	±3% max.
Line regulation	Nominal Load, full voltage	±0.5% max.
Load regulation	20% ~ 100% full load	±1% max.
Ripple and noise	20MHz BM, full load	100mVp-p max.

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ELECTRICAL

Operating frequency	Typical value	100KHz typ.
Isolation voltage (<1mA/min)	Input to output	1500Vdc
Isolation resistance	---	1000mΩ
Temperature coefficient	---	±0.03%/°C max.
Operating temperature range	---	-40°C to +85°C
Storage temperature range	---	-55°C to +125°C
Short circuit protection	---	Continuous, auto-recovery
Relative humidity	---	10%-90%
MTBF	Bellcore TR-332, 25°C	1000KHrs
Weight	---	18g

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

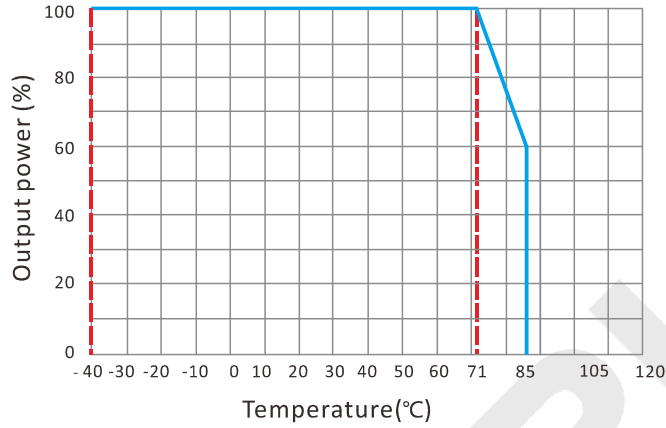
PIN #	SINGLE	DUAL
2	GND	GND
3	GND	GND
9	NC	0V
10	No Pin	No Pin
11	NC	-Vo2
14	+Vo	+Vo1
15	No Pin	No Pin
16	0V	0V
22	+Vin	+Vin
23	+Vin	+Vin

Note:

* Unit is mm(inch)

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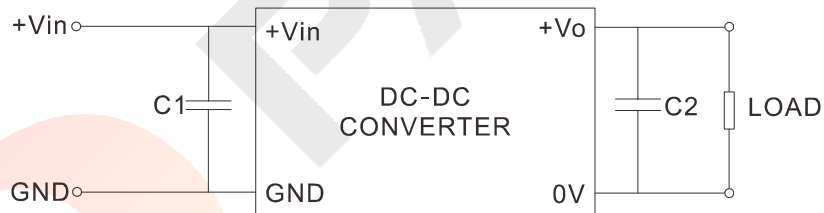
ELECTRICAL CURVE



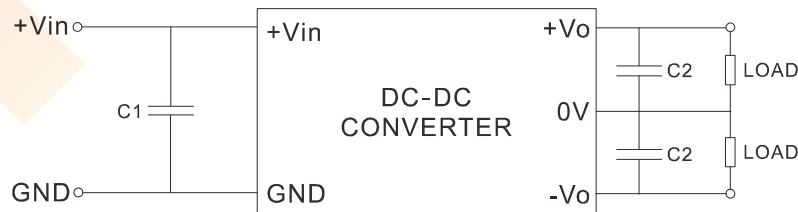
NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT

SINGLE OUTPUT



DUAL OUTPUT



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NOTES

CAPACITOR SELECTION

INPUT VOLTAGE	C1	SINGLE OUTPUT	C2	DUAL OUTPUT	C2
24VDC	22 μ F	5VDC	470 μ F	\pm 5VDC	220 μ F
48VDC	10 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