

DNV-8W SERIES, 8WATT, 4:1 INPUT RANGE
FEATURES:

- ✓ 1500Vdc isolation voltage
- ✓ Metal case with low ripple and noise
- ✓ Continuous short circuit protection
- ✓ Operating temperature range -40°C to +75°C
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DNV8W-2412	24(9~36)	5	1600	82%
DNV8W-2415		9	889	82%
DNV8W-2413		12	667	83%
DNV8W-2414		15	533	84%
DNV8W-2416		24	333	85%
DNV8W-2422		±5	800	82%
DNV8W-2425		±9	444	82%
DNV8W-2423		±12	333	83%
DNV8W-2424		±15	267	83%
DNV8W-2426		±24	167	84%
DNV8W-4812	48(18~72)	5	1600	82%
DNV8W-4815		9	889	82%
DNV8W-4813		12	667	83%
DNV8W-4814		15	533	84%
DNV8W-4816		24	333	85%
DNV8W-4822		±5	800	82%
DNV8W-4825		±9	444	82%
DNV8W-4823		±12	333	83%
DNV8W-4824		±15	267	83%
DNV8W-4826		±24	167	84%

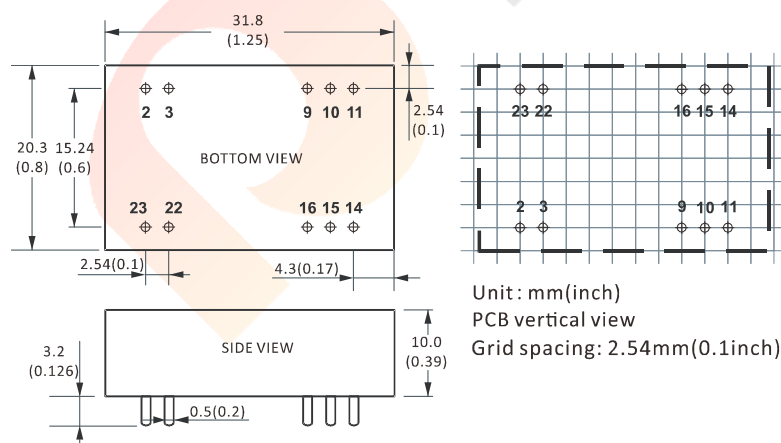
Notes: 1. Other input and output models may available on request;

2. Above items are default to metal case.

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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	20% ~ 100% full load	±1% max.
Ripple and noise	20MHz BM, full load	100mVp-p max.
Operating frequency	Typical value	300KHz 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

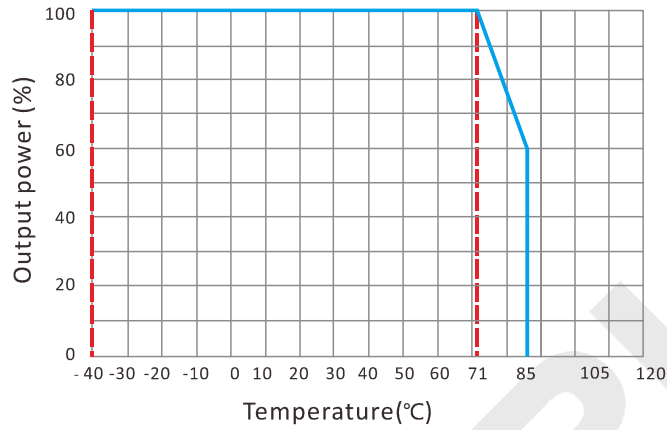
PIN #	SINGLE	DUAL
2	GND	GND
3	GND	GND
9	NC	0V
10	No Pin	No Pin
11	NC	-Vo2
14	+Vo	+Vo1
15	No Pin	No Pin
16	0V	0V
22	+Vin	+Vin
23	+Vin	+Vin

Note:

* Unit is mm(inch).

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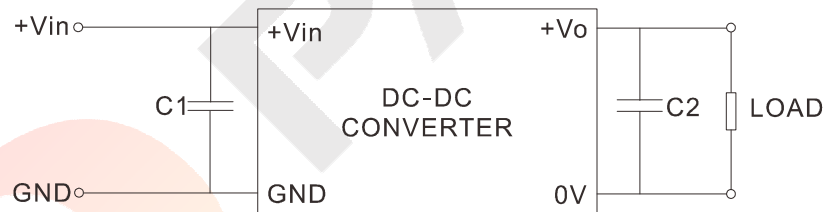
ELECTRICAL CURVE



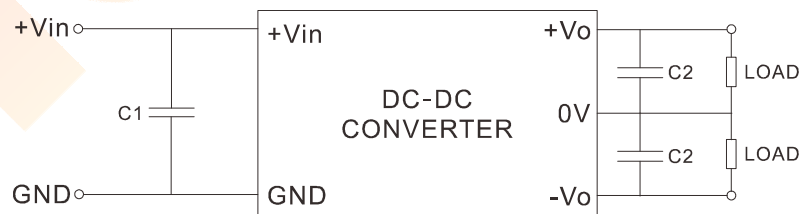
NOTES

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
12VDC	100 μ F	5VDC	1000 μ F	\pm 5VDC	470 μ F
24VDC	47 μ F	9VDC	470 μ F	\pm 9VDC	330 μ F
48VDC	47 μ F	12VDC	330 μ F	\pm 12VDC	220 μ F
--	--	15VDC	330 μ F	\pm 15VDC	220 μ F
--	--	24VDC	220 μ F	\pm 24VDC	100 μ F