

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% |

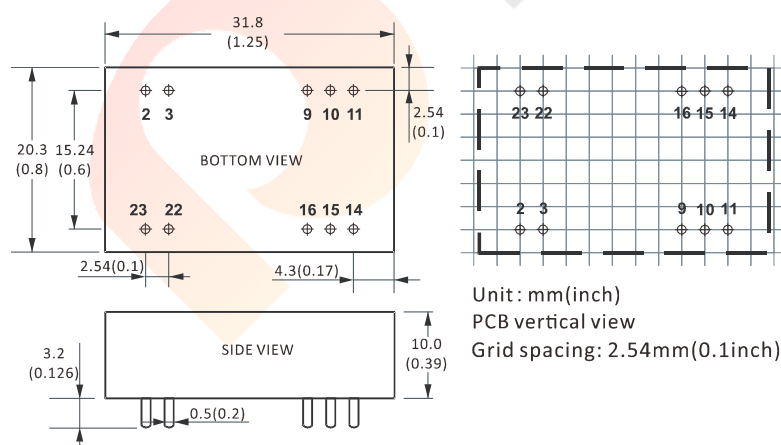
Notes: 1. Other input and output models may available on request;

2. Above items are default to metal case.

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

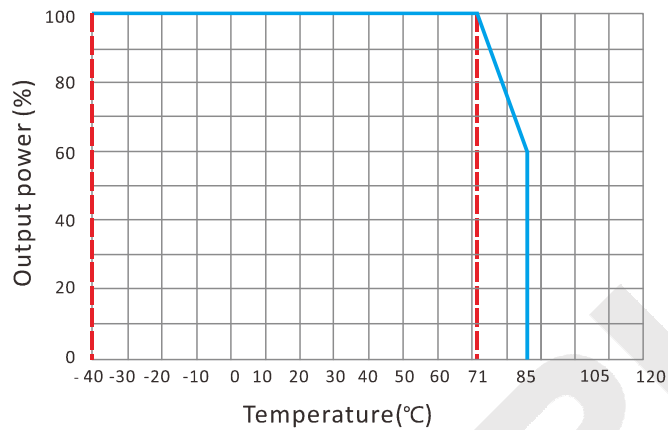
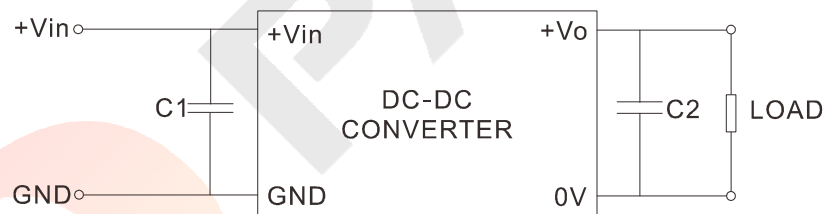
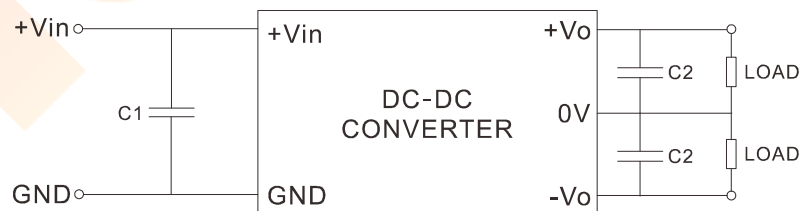
Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.

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).

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

NOTES
RECOMMENDED TEST AND APPLICATION CIRCUIT
SINGLE OUTPUT

DUAL OUTPUT


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

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 |