

**DNV-6 SERIES, 6WATT, 2:1 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.	
DNV6-0510	5(4.5~9)	3.3	1200	72%	
DNV6-0511		5	1200	75%	
DNV6-0515		9	667	78%	
DNV6-0512		12	500	83%	
DNV6-0513		15	400	80%	
DNV6-0514		24	250	80%	
DNV6-0521		±5	600	75%	
DNV6-0525		±9	333	79%	
DNV6-0522		±12	250	78%	
DNV6-0523		±15	200	82%	
DNV6-0524		±24	125	82%	
DNV6-1210		12(9~18)	3.3	1200	72%
DNV6-1211			5	1200	79%
DNV6-1215			9	667	81%
DNV6-1212	12		500	82%	
DNV6-1213	15		400	82%	
DNV6-1214	24		250	82%	
DNV6-1221	±5		600	80%	
DNV6-1225	±9		333	82%	
DNV6-1222	±12		250	82%	
DNV6-1223	±15		200	83%	
DNV6-1224	±24		125	84%	
DNV6-2410	24(18~36)		3.3	1200	72%
DNV6-2411			5	1200	80%
DNV6-2415			9	667	81%
DNV6-2412		12	500	82%	
DNV6-2413		15	400	82%	
DNV6-2414		24	250	84%	
DNV6-2421		±5	600	80%	
DNV6-2425		±9	333	81%	

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Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DNV6-2422	24(18~36)	±12	250	82%
DNV6-2423		±15	200	83%
DNV6-2424		±24	125	84%
DNV6-4811	48(36~72)	5	1200	82%
DNV6-4815		9	667	82%
DNV6-4812		12	500	82%
DNV6-4813		15	400	84%
DNV6-4814		24	250	85%
DNV6-4821		±5	600	80%
DNV6-4825		±9	333	81%
DNV6-4822		±12	250	82%
DNV6-4823		±15	200	83%
DNV6-4824		±24	125	83%

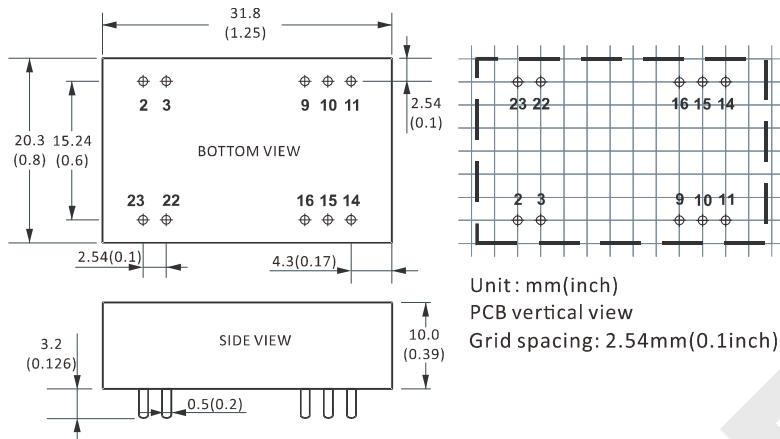
Notes: other input and output models may available on request.

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 -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

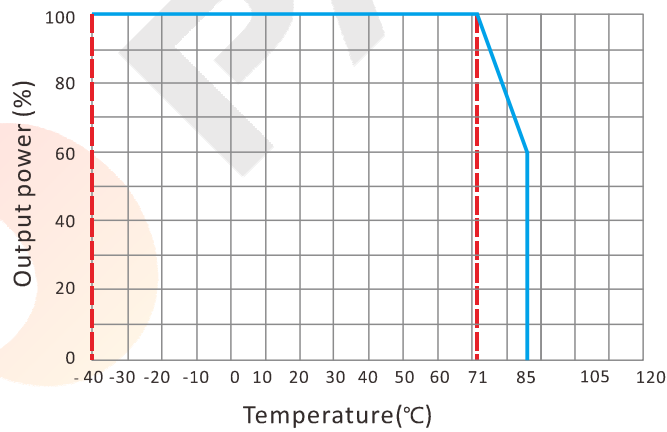
Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.

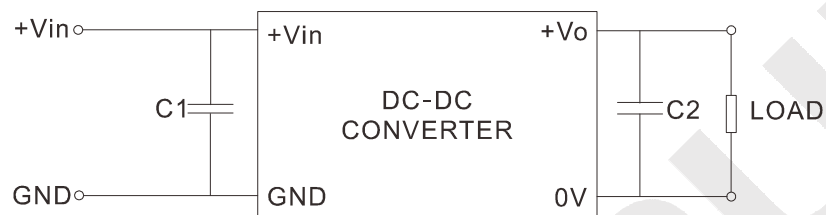
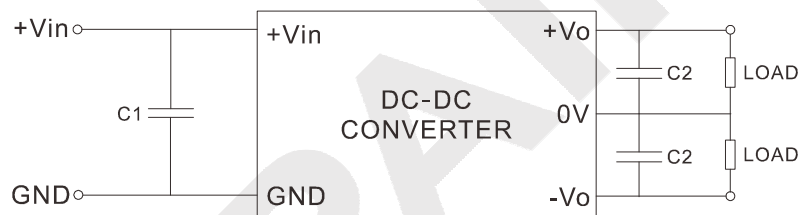
**DNV-6 SERIES, 6WATT, 2:1 INPUT RANGE**
**MECHANICAL**

**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).

**ELECTRICAL CURVE**


**DNV-6 SERIES, 6WATT, 2:1 INPUT RANGE**
**NOTES**
**RECOMMENDED TEST AND APPLICATION CIRCUIT**
**SINGLE OUTPUT**

**DUAL OUTPUT**

**CAPACITOR SELECTION**

INPUT VOLTAGE	C1	SINGLE OUTPUT	C2	DUAL OUTPUT	C2
5VDC	100 $\mu$ F	5VDC	470 $\mu$ F	$\pm$ 5VDC	220 $\mu$ F
12VDC	47 $\mu$ F	9VDC	220 $\mu$ F	$\pm$ 9VDC	100 $\mu$ F
24VDC	47 $\mu$ F	12VDC	100 $\mu$ F	$\pm$ 12VDC	47 $\mu$ F
48VDC	10 $\mu$ F	15VDC	100 $\mu$ F	$\pm$ 15VDC	47 $\mu$ F
--	--	24VDC	47 $\mu$ F	$\pm$ 24VDC	22 $\mu$ F