

DNV-6F SERIES, 6WATT, 2:1 INPUT RANGE
FEATURES:

- ✓ 3000Vdc 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.
DNV6-0510F	5(4.5~9)	3.3	1200	70%
DNV6-0511F		5	1200	74%
DNV6-0515F		9	667	77%
DNV6-0512F		12	500	82%
DNV6-0513F		15	400	80%
DNV6-0514F		24	250	80%
DNV6-0521F		±5	600	72%
DNV6-0525F		±9	333	78%
DNV6-0522F		±12	250	78%
DNV6-0523F		±15	200	82%
DNV6-0524F		±24	125	82%
DNV6-1210F	12(9~18)	3.3	1200	72%
DNV6-1211F		5	1200	78%
DNV6-1215F		9	667	81%
DNV6-1212F		12	500	82%
DNV6-1213F		15	400	80%
DNV6-1214F		24	250	82%
DNV6-1221F		±5	600	80%
DNV6-1225F		±9	333	80%
DNV6-1222F		±12	250	82%
DNV6-1223F		±15	200	83%
DNV6-1224F		±24	125	82%
DNV6-2410F	24(18~36)	3.3	1200	72%
DNV6-2411F		5	1200	80%
DNV6-2415F		9	667	80%
DNV6-2412F		12	500	82%
DNV6-2413F		15	400	82%
DNV6-2414F		24	250	84%
DNV6-2421F		±5	600	80%
DNV6-2425F		±9	333	80%

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

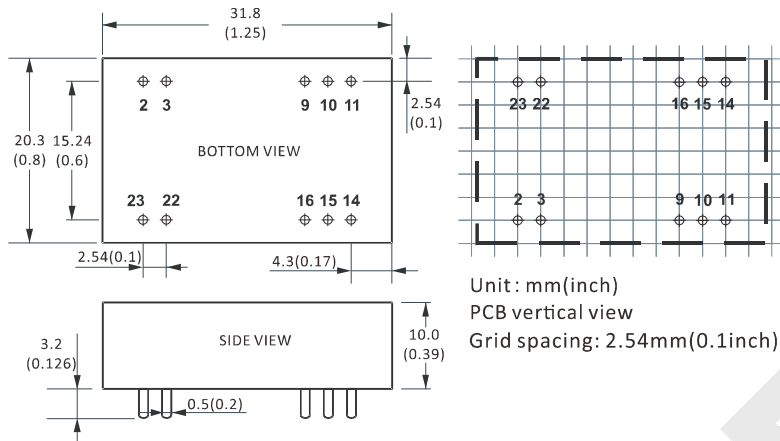
Notes: other input and output models may available on request.

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.
Operating frequency	Typical value	300KHz typ.
Isolation voltage (<1mA/min)	Input to output	3000Vdc
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

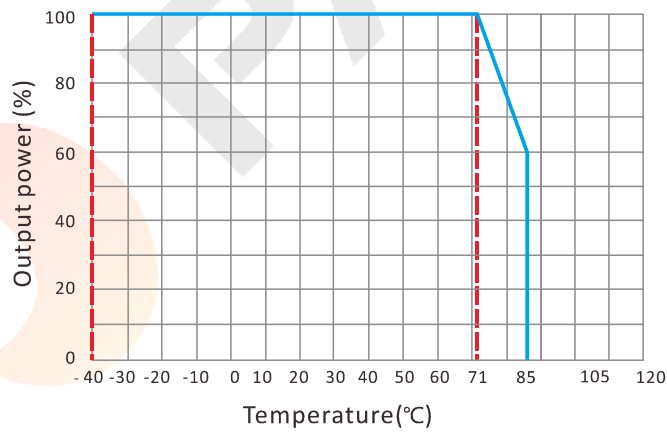
Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.

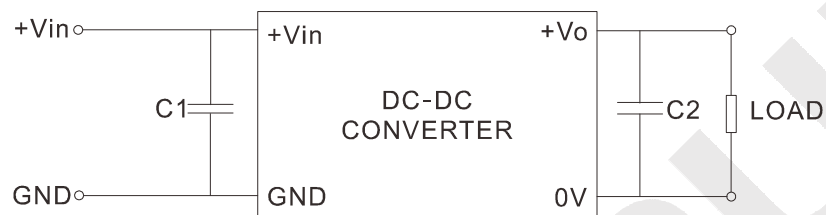
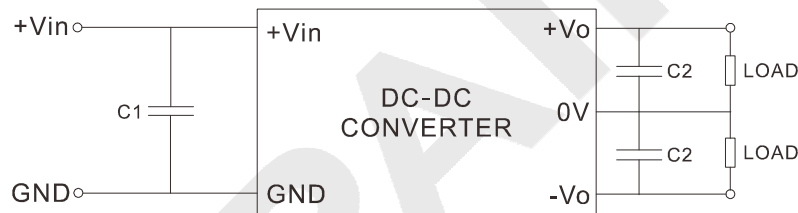
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MECHANICAL

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-6F 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 μ F	5VDC	470 μ F	\pm 5VDC	220 μ F
12VDC	47 μ F	9VDC	220 μ F	\pm 9VDC	100 μ F
24VDC	47 μ F	12VDC	100 μ F	\pm 12VDC	47 μ F
48VDC	10 μ F	15VDC	100 μ F	\pm 15VDC	47 μ F
--	--	24VDC	47 μ F	\pm 24VDC	22 μ F