

DMV-6 SERIES, 6WATT, 2:1 INPUT RANGE

FEATURES:

- ✓ 1500Vdc isolation voltage
- ✓ Metal 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.
DMV6-0511	5(4.5~9)	3.3	1500	72%
DMV6-0512		5	1200	76%
DMV6-0516		9	667	77%
DMV6-0513		12	500	78%
DMV6-0514		15	400	79%
DMV6-0515		24	250	79%
DMV6-0521		±5	±600	75%
DMV6-0522		±9	±333	76%
DMV6-0523		±12	±250	78%
DMV6-0524		±15	±200	79%
DMV6-0525		±24	±125	78%
DMV6-1211	12(9~18)	3.3	1500	72%
DMV6-1212		5	1200	76%
DMV6-1216		9	667	77%
DMV6-1213		12	500	78%
DMV6-1214		15	400	79%
DMV6-1215		24	250	80%
DMV6-1221		±5	±600	79%
DMV6-1222		±9	±333	81%
DMV6-1223		±12	±250	81%
DMV6-1224		±15	±200	82%
DMV6-1225		±24	±125	82%
DMV6-2411	24(18~36)	3.3	1500	78%
DMV6-2412		5	1200	82%
DMV6-2416		9	667	80%
DMV6-2413		12	500	81%
DMV6-2414		15	400	82%
DMV6-2415		24	250	83%
DMV6-2421		±5	±600	80%

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Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DMV6-2422	24(18~36)	±9	±333	80%
DMV6-2423		±12	±250	82%
DMV6-2424		±15	±200	84%
DMV6-2425		±24	±125	84%
DMV6-4811	48(36~72)	3.3	1500	78%
DMV6-4812		5	1200	81%
DMV6-4816		9	667	83%
DMV6-4813		12	500	83%
DMV6-4814		15	400	84%
DMV6-4815		24	250	85%
DMV6-4821		±5	±600	80%
DMV6-4822		±9	±333	80%
DMV6-4823		±12	±250	82%
DMV6-4824		±15	±200	84%
DMV6-4825		±24	±125	84%

**Notes: 1. Other input and output models may available on request;
2. Above items are default to metal case.**

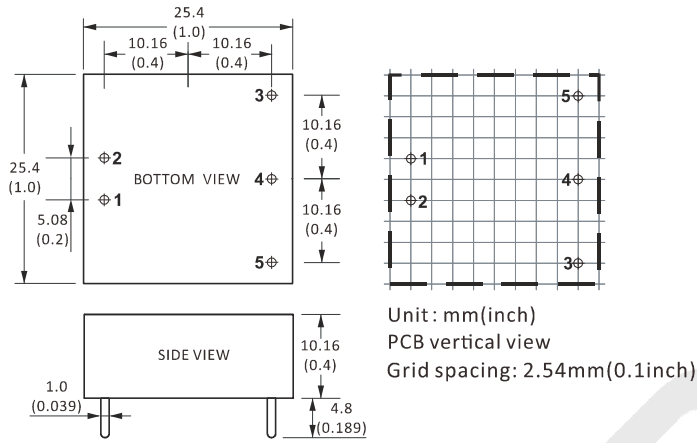
ELECTRICAL

Output voltage accuracy (Full voltage, full load)	+Vo -Vo	±1% max. ±2% 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	120mVp-p max.
Operating frequency	Typical value	300KHz typ.
Isolation voltage (<1mA/min)	Input to output	1500Vdc
Isolation resistance	---	1000mΩ
Temperature coefficient	---	±0.02%/°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% max.
MTBF	Bellcore TR-332, 25°C	1000KHrs
Weight	---	12g

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

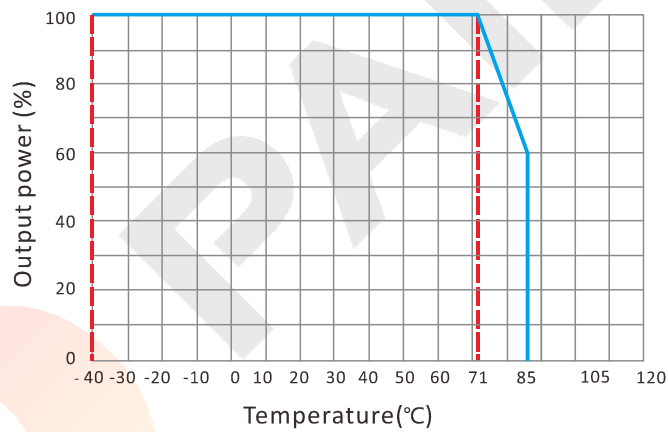


CONNECTION

PIN #	SINGLE	DUAL
1	GND	GND
2	+Vin	+Vin
3	+Vo	+Vo
4	No Pin	0V
5	0V	-Vo

Note:
Unit is mm(inch).

ELECTRICAL CURVE

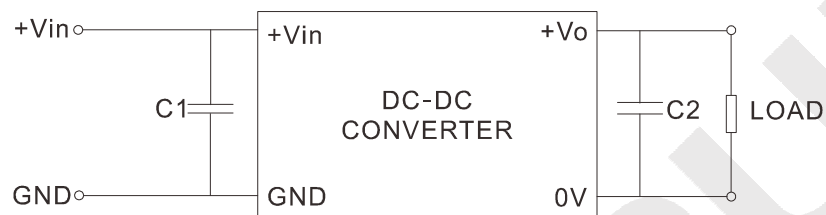


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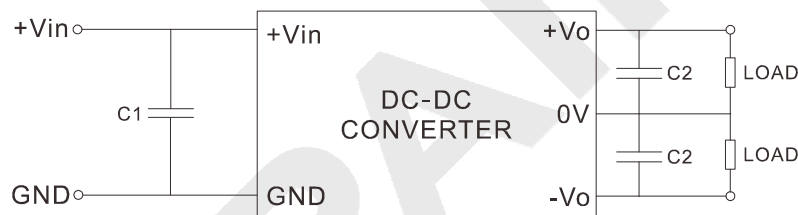
NOTES

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	1000 μ F	\pm 5VDC	470 μ F
12VDC	47 μ F	9VDC	470 μ F	\pm 9VDC	220 μ F
24VDC	47 μ F	12VDC	220 μ F	\pm 12VDC	100 μ F
48VDC	10 μ F	15VDC	220 μ F	\pm 15VDC	100 μ F
--	--	24VDC	100 μ F	\pm 24VDC	47 μ F