

**DMV-6W SERIES, 6WATT, 4:1 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.	
DMV6W-2411	24(9~36)	3.3	1500	78%	
DMV6W-2412		5	1200	80%	
DMV6W-2416		9	667	81%	
DMV6W-2413		12	500	82%	
DMV6W-2414		15	400	83%	
DMV6W-2415		24	250	84%	
DMV6W-2421		±5	±600	80%	
DMV6W-2424		±9	±333	81%	
DMV6W-2422		±12	±250	82%	
DMV6W-2423		±15	±200	82%	
DMV6W-2425		±24	±125	83%	
DMV6W-4811		48(18~72)	3.3	1500	78%
DMV6W-4812			5	1200	80%
DMV6W-4816			9	667	81%
DMV6W-4813			12	500	82%
DMV6W-4814	15		400	82%	
DMV6W-4815	24		250	83%	
DMV6W-4821	±5		±600	80%	
DMV6W-4824	±9		±333	81%	
DMV6W-4822	±12		±250	82%	
DMV6W-4823	±15		±200	83%	
DMV6W-4825	±24	±125	84%		

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

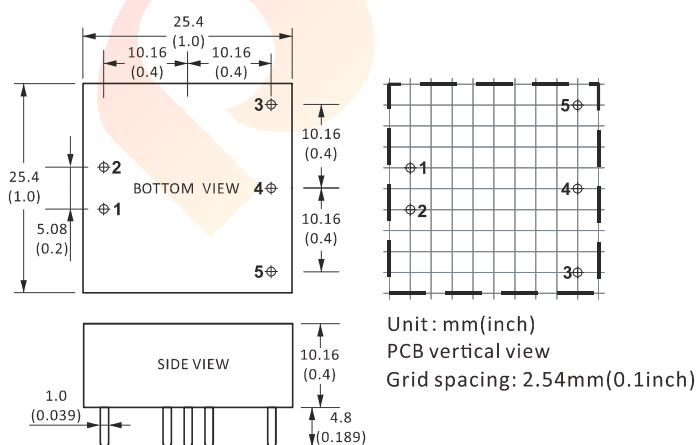
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**ELECTRICAL**

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% 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.**

**MECHANICAL**



**CONNECTION**

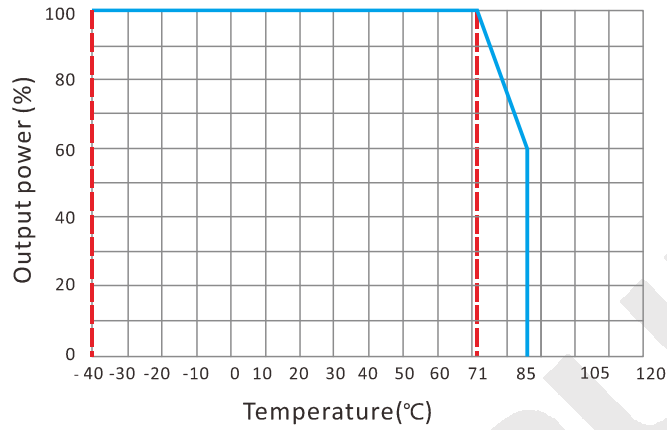
PIN #	SINGLE	DUAL
1	GND	GND
2	+Vin	+Vin
3	+Vo	+Vo1
4	No Pin	0V
5	0V	-Vo2

Note:

\* Unit is mm(inch).

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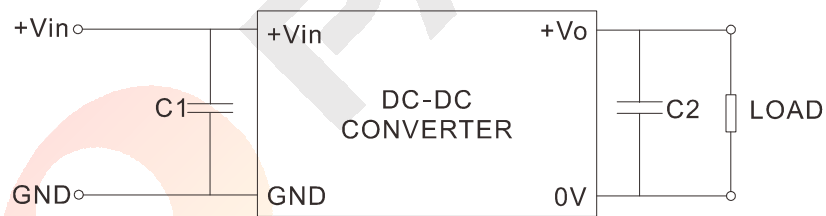
ELECTRICAL CURVE



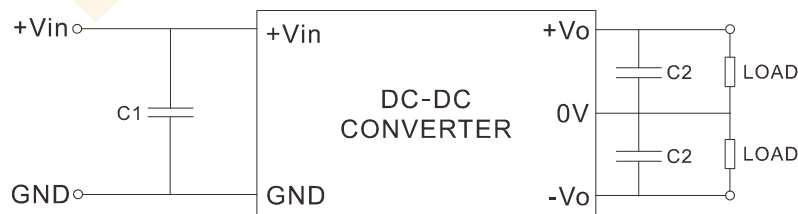
NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT

SINGLE OUTPUT



DUAL OUTPUT



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**NOTES**
**CAPACITOR SELECTION**

<b>INPUT VOLTAGE</b>	<b>C1</b>	<b>SINGLE OUTPUT</b>	<b>C2</b>	<b>DUAL OUTPUT</b>	<b>C2</b>
24VDC	100 $\mu$ F	5VDC	1000 $\mu$ F	$\pm$ 5VDC	470 $\mu$ F
48VDC	47 $\mu$ F	9VDC	330 $\mu$ F	$\pm$ 9VDC	220 $\mu$ F
--	--	12VDC	100 $\mu$ F	$\pm$ 12VDC	47 $\mu$ F
--	--	15VDC	100 $\mu$ F	$\pm$ 15VDC	47 $\mu$ F
--	--	24VDC	47 $\mu$ F	$\pm$ 24VDC	22 $\mu$ F