

DMV-3W SERIES, 3WATT, 4:1 INPUT RANGE
FEATURES:

- ✓ 3 years warranty
- ✓ 1500Vdc isolation voltage
- ✓ Metal case with low ripple and noise
- ✓ Operating temperature range -40°C to +85°C
- ✓ Short circuit and input under voltage protection



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DMV3W-1811	18(9~36)	3.3	600	82%
DMV3W-1812		5	600	82%
DMV3W-1813		9	330	82%
DMV3W-1814		12	250	82%
DMV3W-1815		15	200	82%
DMV3W-1816		24	125	82%
DMV3W-1821		±3.3	300	82%
DMV3W-1822		±5	300	82%
DMV3W-1823		±9	165	82%
DMV3W-1824		±12	125	82%
DMV3W-1825		±15	100	82%
DMV3W-1826		±24	60	82%
DMV3W-3611	36(18~72)	3.3	600	82%
DMV3W-3612		5	600	82%
DMV3W-3613		9	330	82%
DMV3W-3614		12	250	82%
DMV3W-3615		15	200	82%
DMV3W-3616		24	125	82%
DMV3W-3621		±3.3	300	82%
DMV3W-3622		±5	300	82%
DMV3W-3623		±9	165	82%
DMV3W-3624		±12	125	82%
DMV3W-3625		±15	100	82%
DMV3W-3626		±24	60	82%

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

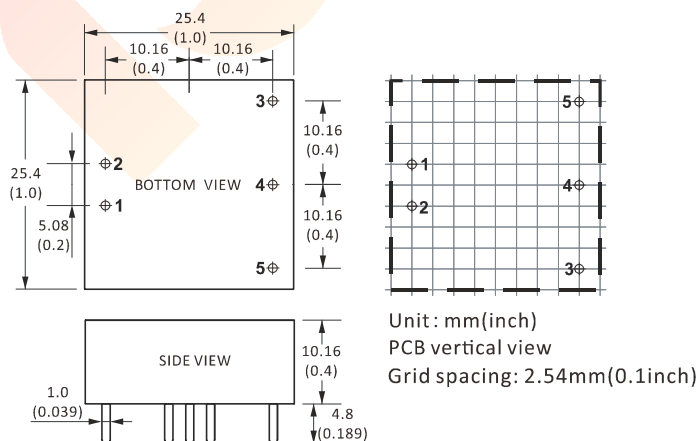
ELECTRICAL

Output voltage accuracy	---	Vo1, Vo2 : ±1.0%, ±3.0%
Line regulation	Nominal Load, full voltage	Vo1, Vo2 : ±0.2%, ±1.5%

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Load regulation	20% ~ 100% full load	Vo1, Vo2 : $\pm 0.5\%$, $\pm 4.0\%$
Dynamic response (transient/recovery time)	5%-50%-75% load capability	$\Delta V_{o1}/\Delta t$: $\pm 4.0\%/500\mu s$
Ripple and noise	20MHz BM, full load	Vo $\leq 5.0V$, $\leq 50mVp-p$ Vo $\geq 48V$, $\leq 180mVp-p$ Other, $\leq 100mVp-p$
Operating frequency	Typical value	300KHz typ./330KHz max.
Turn-on delay time	Typical value	$\leq 200ms$
Isolation voltage ($<0.5mA/min$)	Input to output Input to case	1500Vdc 500Vdc
Efficiency	Nominal input, full load	Vo $\leq 5.0V$, 80% typ. Vo $> 5.0V$, 82% typ.
Operating temperature range	---	-40°C to +85°C
Storage temperature range	---	-55°C to +120°C
Short circuit protection	---	Auto-recovery
Input under voltage protection	When input voltage is lower than the low terminal input voltage	Auto-recovery
Relative humidity	---	10%-90%
MTBF	---	2×10^5 Hrs

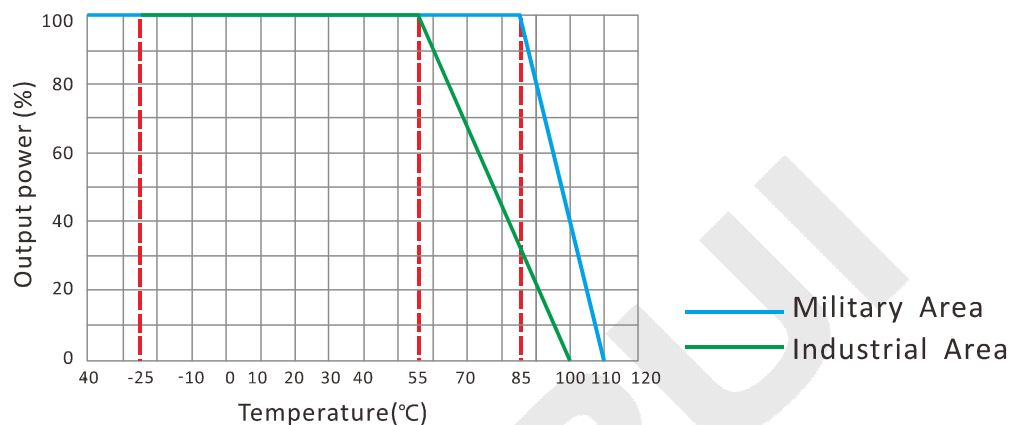
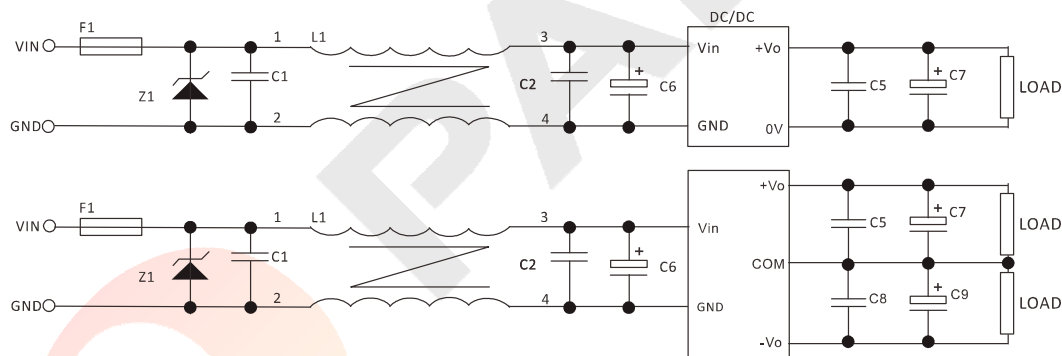
Notes: Unless otherwise specified, all the parameters of the test conditions are as follows: ambient temperature 25°C, the nominal input voltage, pure resistive nominal load.

MECHANICAL

CONNECTION

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

Note:

* Unit is mm(inch).

DMV-3W SERIES, 3WATT, 4:1 INPUT RANGE
TEMPERATURE PROFILE

NOTES
RECOMMENDED TEST AND APPLICATION CIRCUIT


FUSE: depends on the actual input current;

TVS: depends on the actual input voltage;

Recommended capacitor: C1,C2,C5,C8, about 0.1uF; C6: 22uF-100uF; C7, C9: 10uF/10mA