

FEATURES:

- ✓ 2 year warranty
- ✓ Six-side shielded metal case
- ✓ Low ripple and noise
- ✓ Over current and short circuit protection
- ✓ Remote on/off
- ✓ Adjustable output voltage



Model	Input voltage	Output voltage	Output current	Efficiency
	(Vdc)	(Vdc)	(mA)	Тур.
DMV20W-2411		5	4000	80%
DMV20W-2412		9	2220	85%
DMV20W-2413		12	1660	85%
DMV20W-2414		15	1330	85%
DMV20W-2415		24	830	85%
DMV20W-2416	24(9~36)	48	410	85%
DMV20W-2421		±5	±2000	80%
DMV20W-2422		±9	±1110	85%
DMV20W-2423		±12	±830	85%
DMV20W-2424		±15	±660	85%
DMV20W-2425		±24	±410	85%
DMV20W-4811		5	4000	80%
DMV20W-4812		9	2220	85%
DMV20W-4813		12	1660	85%
DMV20W-48 <mark>14</mark>		15	1330	85%
DMV20W-4 <mark>815</mark>		24	830	85%
DMV20W- <mark>4816</mark>	48(18~72)	48	410	85%
DMV20W-4 <mark>821</mark>		±5	±2000	80%
DMV20W-4822		±9	±1110	85%
DMV20W-4823		±12	±830	85%
DMV20W-4824		±15	±660	85%
DMV20W-4825		±24	±410	85%

Notes:

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



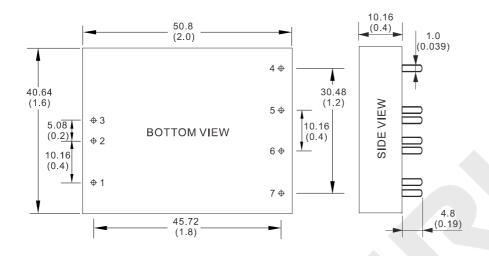
ELECTRICAL		
	18V	9-36Vdc
Input voltage range	36V	18-72Vdc
Remote control	High level or vacant	Turn on
(Low level remote)	Low level or connect ground	Turn off
Output voltage accuracy		Vo1, Vo2: ±1%, ±3%
Output voltage adjustable		±10%
Line regulation	Nominal Load, full voltage	Vo1, Vo2: ±0.2%, ±1.5%
Load regulation	20% ~ 100% rated load	Vo1, Vo2: ±0.5%, ±4%
Dynamic response (transient/recovery time)	5%-50%-75% load capability	ΔVo1/Δt: ±4.0%/500μs
		Vo≤5.0V, ≤50mVp-p
Ripple and noise	20MHz BM, full load	Vo≥48V, ≤180mVp-p
		Other, ≤100mVp-p
Isolation voltage	Input to output	1500Vdc
(<2mA/min)	Input to case	500Vdc
Switching frequency	300KHz	330KHz max.
Turn-on delay time		≤200ms
Operating temperature range	Free air	-25℃ to +55℃
Storage temperature range		-45℃ to +105℃
Input under voltage protection	When input voltage is lower than the low input voltage	Auto-recovery
Over current protection		Auto-recovery
Short circuit protection		Continuous auto-recovery
Cooling method		Cooling by air convection
Relative humidity		10%-90% max.
Weight		35.7g
MTBF	Bellcore TR-332, 25℃	2x10⁵Hrs

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.

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MECHANICAL

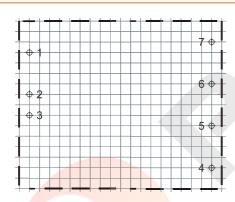


PIN # SINGL

Note:

* Unit is mm(inch).

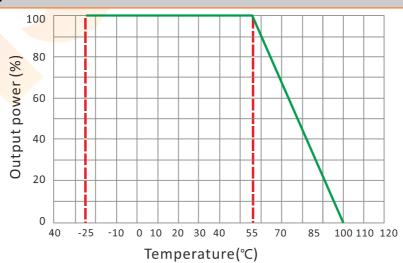
LAYOUT



Unit: mm(inch)
PCB vertical view

Grid spacing: 2.54mm(0.1inch)

ELECTRICAL CURVE

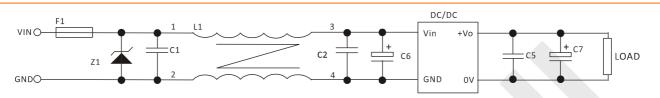


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NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT



- 1. TVS&FUSE be helpful with over voltage protection and inrush limiting. Recommended FUSE better be 1.5~2times of the rated current .
- 2. The input filter capacitor C6 could select the aluminum electrolytic capacitors or tantalum capacitors, and the withstand voltage should be greater than the highest input voltage. Recommended capacitor should be between $22\mu F^{\sim}100\mu F$.
- 3. C1,C2 for the input filter capacitor, $0.1^{\sim}1\mu\text{F}$ high-frequency ceramics capacitor or chip capacitor are recommended. The withstand voltage of output filter C5, C7 should be greater than the highest output voltage. Recommended capacitor of C7 better within $100\mu\text{F}$ and C5 connected with the chip to reduce the input voltage peak, recommended $0.1^{\sim}1\mu\text{F}$ high-frequency ceramics capacitor or chip capacitor.



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