

DMV-6WF SERIES, 6WATT, 4:1 INPUT RANGE
FEATURES:

- ✓ 3000Vdc 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-2411F	24(9~36)	3.3	1500	78%
DMV6W-2412F		5	1200	80%
DMV6W-2416F		9	667	81%
DMV6W-2413F		12	500	82%
DMV6W-2414F		15	400	83%
DMV6W-2415F		24	250	84%
DMV6W-2421F		±5	±600	80%
DMV6W-2424F		±9	±333	81%
DMV6W-2422F		±12	±250	82%
DMV6W-2423F		±15	±200	82%
DMV6W-2425F		±24	±125	83%
DMV6W-4811F	48(18~72)	3.3	1500	78%
DMV6W-4812F		5	1200	80%
DMV6W-4816F		9	667	81%
DMV6W-4813F		12	500	82%
DMV6W-4814F		15	400	82%
DMV6W-4815F		24	250	83%
DMV6W-4821F		±5	±600	80%
DMV6W-4824F		±9	±333	81%
DMV6W-4822F		±12	±250	82%
DMV6W-4823F		±15	±200	83%
DMV6W-4825F		±24	±125	84%

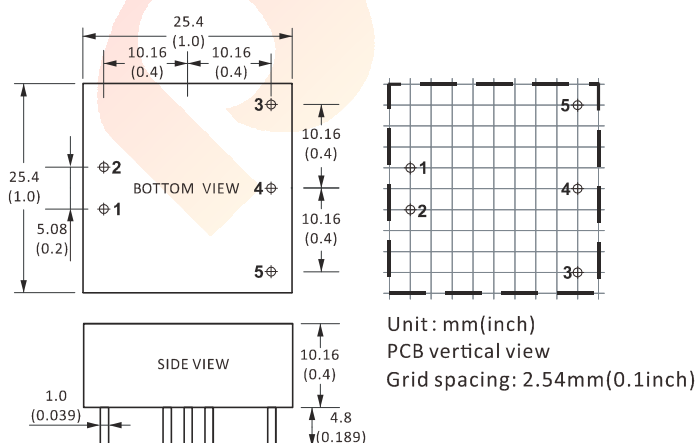
Notes: 1. Other input and output models may available on request;

2. Above items are default to metal case.

DMV-6WF SERIES, 6WATT, 4:1 INPUT RANGE
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	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% max.
MTBF	Bellcore TR-332, 25°C	1000KHrs
Weight	---	12g

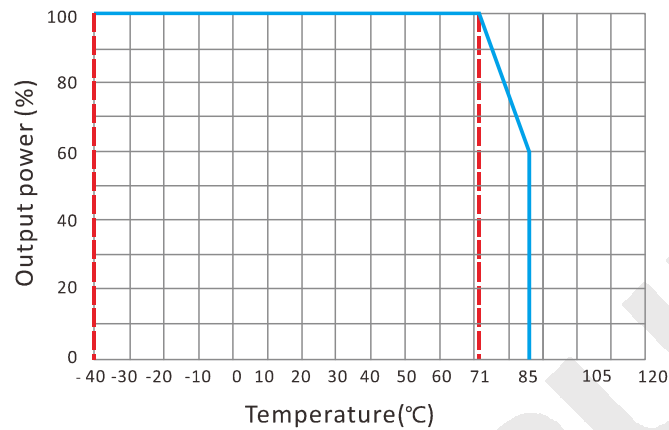
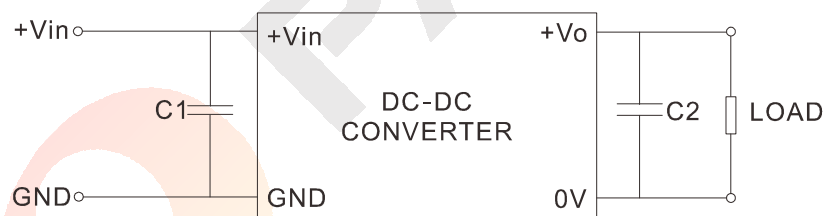
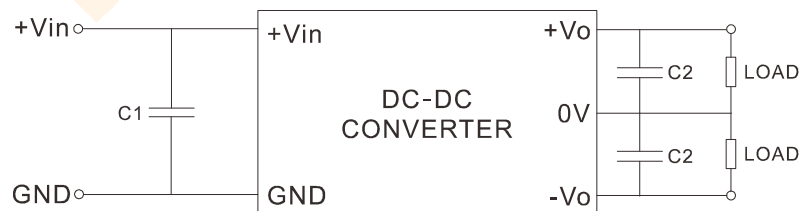
Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.

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).

DMV-6WF SERIES, 6WATT, 4:1 INPUT RANGE
ELECTRICAL CURVE

NOTES
RECOMMENDED TEST AND APPLICATION CIRCUIT
SINGLE OUTPUT

DUAL OUTPUT


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NOTES

CAPACITOR SELECTION

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