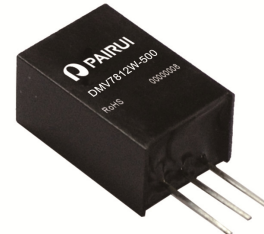


## DMV78xxW-500 SERIES, NON-ISOLATED, 3 PIN, SWITCHING REGULATORS

### FEATURES:

- ✓ Ultra-wide input voltage range
- ✓ High efficiency up to 94%
- ✓ Low ripple & noise
- ✓ High reliability
- ✓ Operating temperature range -40°C to +85°C
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DMV7803W-500	9-72	3.3	500	82%
DMV7805W-500	9-72	5	500	87%
DMV7809W-500	14-72	9	500	92%
DMV7812W-500	14-72	12	500	93%
DMV7815W-500	14-72	15	500	94%

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

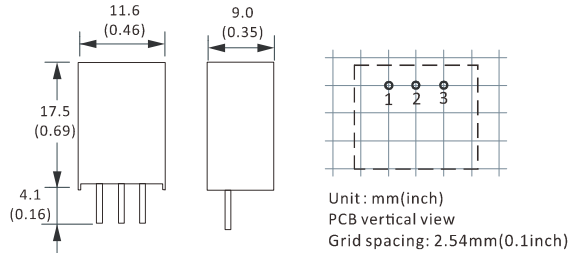
### ELECTRICAL

Output voltage accuracy	Full load	±2.0% typ.
Line regulation	Nominal Load, full voltage	±0.5% typ.
Load regulation	20% ~ 100% full load	±0.5% typ.
Ripple and noise	20MHz BM, full load	75mVp-pmax.
Operating frequency	Typical value	330KHz typ.
Operating temperature range	---	-40°C to +85°C
Storage temperature range	Humidity: 5%-95%, non-condensing	-55°C to +125°C
Over temperature protection	---	150°C typ.
Short circuit protection	---	Continuous, auto-recovery
Relative humidity	---	10% - 90%
MTBF	Bellcore TR-332, 25°C	1000K Hrs
Weight	---	3.8g

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.

DMV78xxW-500 SERIES, NON-ISOLATED, 3 PIN, SWITCHING REGULATORS

MECHANICAL



CONNECTION

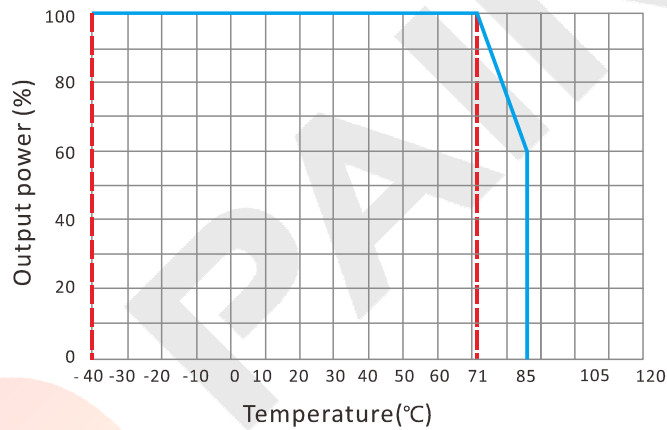
PIN #	SINGLE
1	+Vin
2	GND
3	+Vo

Note:

\* Unit is mm(inch).

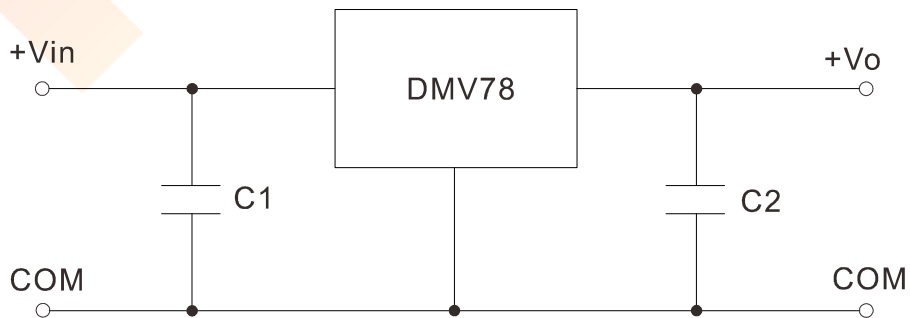
ELECTRICAL CURVE

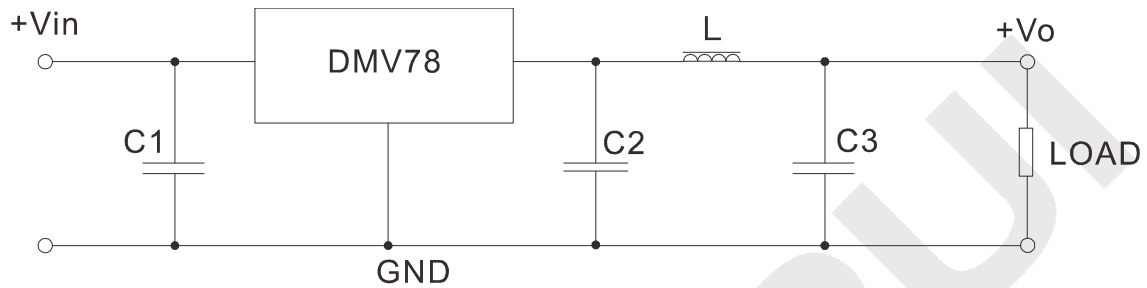
DERATING CURVE



NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT



**DMV78xxW-500 SERIES, NON-ISOLATED, 3 PIN, SWITCHING REGULATORS**
**NOTES**
**RECOMMENDED TEST AND APPLICATION CIRCUIT**

**CAPACITOR SELECTION**

INPUT VOLTAGE	C1	OUTPUT VOLTAGE	C2
9-72VDC	10 $\mu$ F	3.3VDC	22 $\mu$ F
14-72VDC	10 $\mu$ F	5VDC	22 $\mu$ F
--	--	9VDC	22 $\mu$ F
--	--	12VDC	22 $\mu$ F
--	--	15VDC	22 $\mu$ F