

DMV78xx-500 SERIES, NON-ISOLATED, 3 PIN, SWITCHING REGULATORS
FEATURES:

- ✓ Wide input voltage range
- ✓ High efficiency up to 96%
- ✓ Miniature SIP package
- ✓ Low ripple & noise
- ✓ Operating temperature range -40°C to +85°C
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DMV7803-500	4.75-28	3.3	500	90%
DMV7805-500	6.5-32	5	500	93%
DMV7812-500	15-32	12	500	95%

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

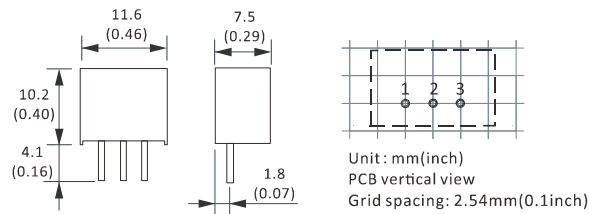
ELECTRICAL

Output voltage accuracy	Full load	±2.0% typ.
Line regulation	Nominal Load, full voltage	±0.4% typ.
Load regulation	20% ~ 100% full load	±0.2% typ.
Ripple and noise	20MHz BM, full load	≤50mVp-p typ.
Operating frequency	Typical value	350KHz typ.
Operating temperature range	---	-40°C to +85°C
Storage temperature range	Humidity: 5%-95%, non-condensing	-55°C to +120°C
Over temperature protection	---	150°C typ.
Short circuit protection	---	Auto-recovery
Relative humidity	---	10% - 90%
MTBF	Bellcore TR-332, 25°C	2000KHrs
Weight	---	1.3g

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.

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MECHANICAL



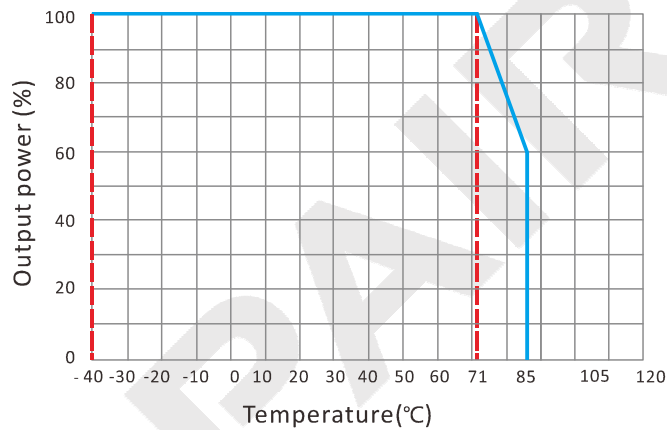
CONNECTION

PIN #	SINGLE
1	+Vin
2	GND
3	+Vo

Note:

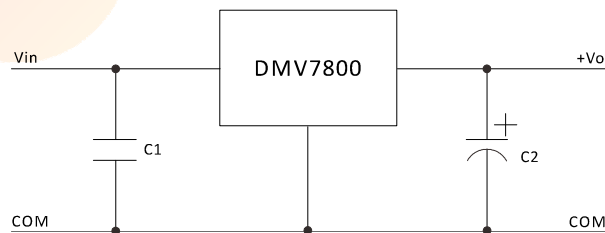
* Unit is mm(inch).

TEMPERATURE PROFILE



NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT



C1=Optional 1uF ceramic

C2=Required 100uF electrolytic