

DMV78xx-2000 SERIES, NON-ISOLATED, 3 PIN, SWITCHING REGULATORS

FEATURES:

- ✓ Wide input voltage range
- ✓ High efficiency up to 92%
- ✓ 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.
DMV781V5-2000	4.75-18	1.5	2000	79%
DMV781V8-2000	4.75-18	1.8	2000	81%
DMV782V5-2000	4.75-18	2.5	2000	86%
DMV7803-2000	4.75-18	3.3	2000	87%
DMV7805-2000	7-18	5	2000	91%
DMV7806-2000	8.5-18	6.5	2000	92%

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

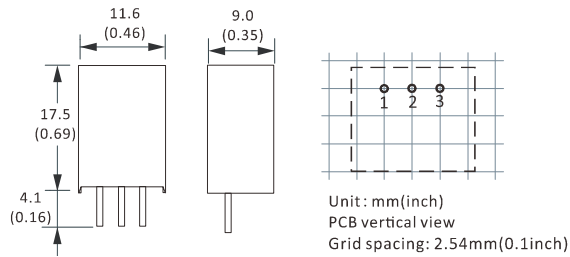
ELECTRICAL

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-p typ.
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 +120°C
Over temperature protection	---	150°C typ.
Short circuit protection	---	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.

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MECHANICAL



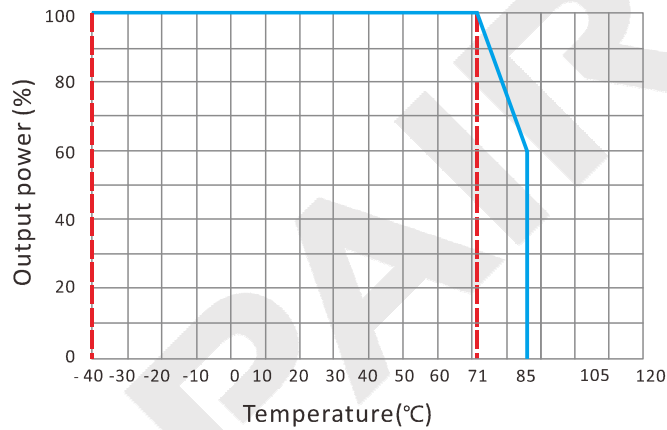
CONNECTION

PIN #	SINGLE
1	+Vin
2	GND
3	+Vo

Note:

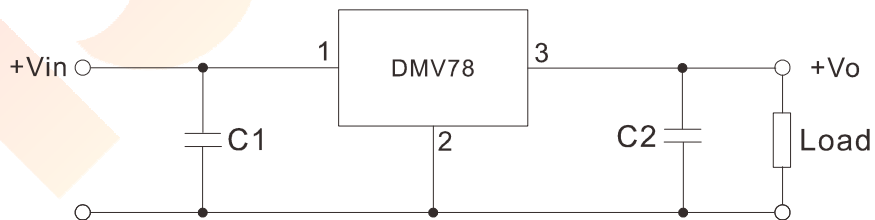
* Unit is mm(inch).

ELECTRICAL CURVE



NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT



C1: Ceramic capacitor, 10uF

C2: Ceramic capacitor, 22uF