

FEATURES :

- 3PIN SIP Package
- Pin-out compatible with LM78XX Linear
- Efficiency up to 96%,Non isolated, no need for heatsink
- Customized Solutions Available
- UL94V-0 Package Material
- Operating Temperature From -40°C To +85°C
- 3 Years Warranty
- Short circuit protection

YUAN DEAN SCIENTIFIC



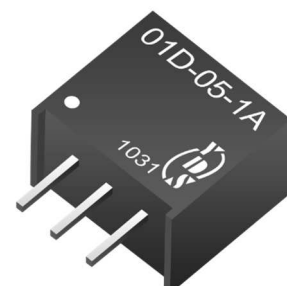
DC-DC Converter

01D-1A SERIES

Non-Isolated

Single Output

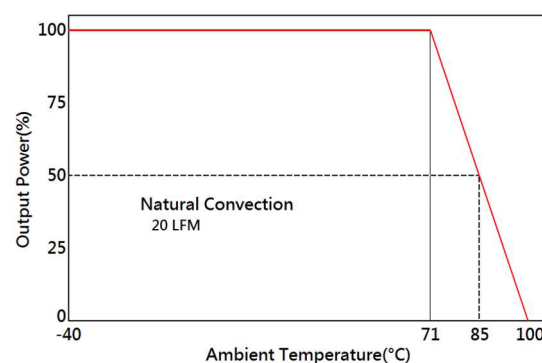
0.45"*0.3"*0.4"



Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				±2	%
Short Circuit Protection	Hiccup, automatic recovery				
Line Regulation	1.2V to 1.5V			0.3	%
Line Regulation	1.8V to 15V			0.3	%
Load Regulation	1.2V to 1.5V (10% To 100% F.L.)			0.6	%
Load Regulation	1.8 V to 15V (10% To 100% F.L.)			0.4	%
Ripple & Noise (without Output Capacitor)	1.2V to 6.5V (BW=DC To 20MHz)			50	mVp-p
	9V to 15V (BW=DC To 20MHz)			75	mVp-p
Transient response setting time	25% load step change		250		us
Capacitive load				470	uF

Temperature Derating Graph



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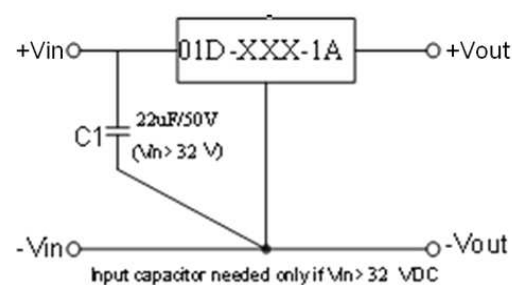
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Rev:0 2018/10/31

General Specifications

Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency			500		KHz
Operating Temperature	With derating	-40		85	°C
Storage Temperature		-55		125	°C
Humidity	Non Condensing			95	%
Cooling	Natural Convection (20LFM)				
Case material	Non-Conductive Black Plastic				
Weight			2.0		g
Dimensions			11.6x7.6x10.4		mm
MTBF(+25°C)	using MIL-HDBK 217F		5000x10 ³		hours
MTBF(+71°C)	using MIL-HDBK 217F		1000x10 ³		hours

Application Examples



Part Number

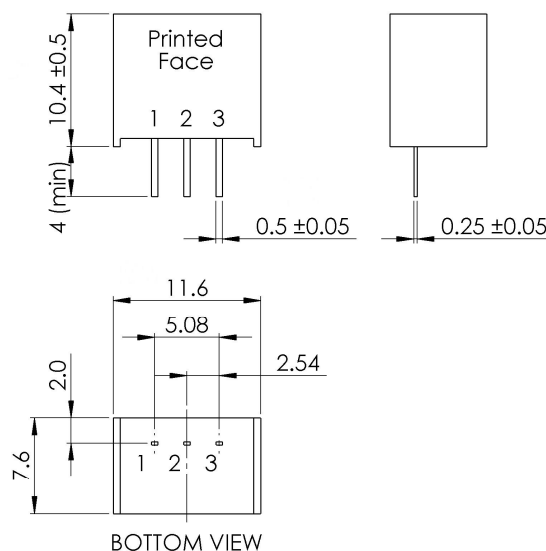
$$\frac{01D}{A} - \frac{05}{B} - \frac{1A}{C}$$

A: Series

B: Output Voltage

C: Output Current

Dimensions



Unit : mm
Tolerance : XX.X ± 0.5 , XX.XX ± 0.25

PIN Assignment

PIN	1	2	3
Function	+Vin	GND	+Vout