

Typical Performance

FEATURES

- Wide Input,non- isolation, regulated Output
- Efficiency :up to 96%
- Working temperature -40℃~+85℃
- 0.5A current output
- No heat sink required
- Low ripple&noise
- MTBF 2000000Hrs
- SIP package
- Short circuit protection,thermal shutdown
- Application of negative output
- Industry standard pinout
- Output voltage accuracy:±2%(typ)
- Line regulation (input voltage from low to high): ±0.2%(typ)
- Load regulation (10%-100% load) :±0.4%(typ)
- Ripple and noise (20MHz Band width) 25mVp-p(typ)
- Temperature drift :±0.02%/℃(max)
- Storage Temperature:-55℃~+125℃
- Cooling:Free aire convection



Product Program

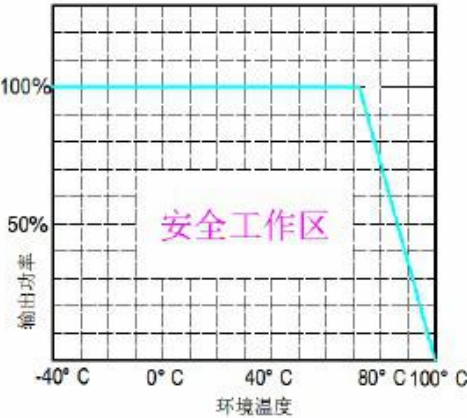
Part #	Input voltage range	Nominal output voltage / output current					
		VO1			Efficiency(%, typ)		
		Voltage (VDC)	Min (mA)	Max (mA)	Min	Max	
K7803-500	12V(4.75~28V)	3.3	0	500	90	80	
K7805-500	24V(6~32V)	5	0	500	91	84	
K7809-500	24V(11~32V)	9	0	500	93	91	
K7812-500	24V(15~32V)	12	0	500	95	92	
K7815-500	24V(18~32V)	15	0	500	96	93	

□ Shows the nominal value of input voltage,due to space limitations ,the above list is only for some products,If other than a list of products, please contact the Company's sales department.

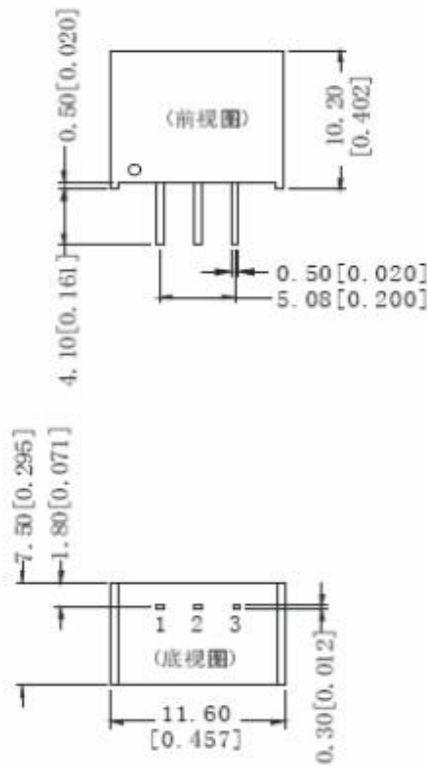
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
K78XX-500	11.6* 7*10	

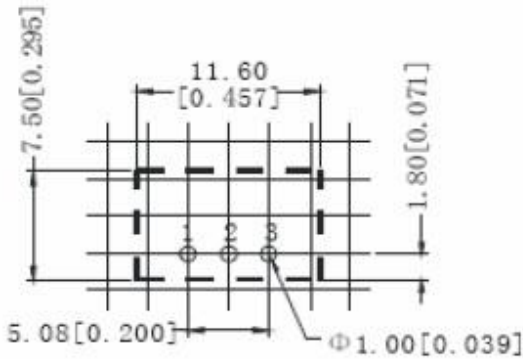
Typical Temperature Curve



Mechanical Dimension



推荐 PCB 图



注：栅格距离为2.54*2.54mm.

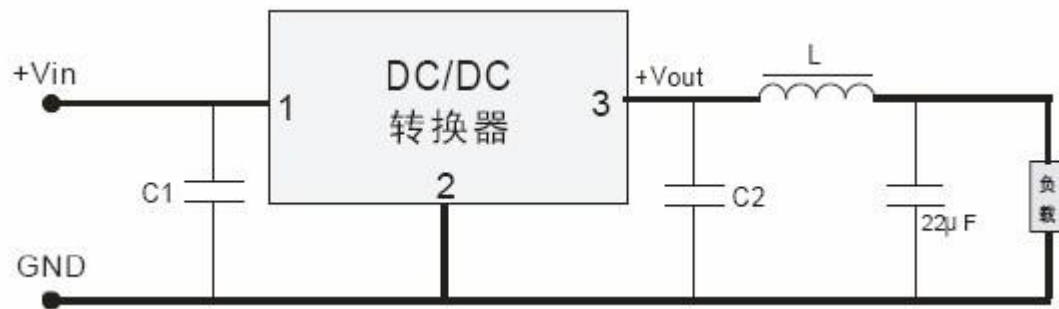
管脚定义

管脚	1	2	3
定义	Vin	GND	Vout
功能	输入	地	输出

Pin Assignment

PIN	1	2	3						
Single O/P	Vin	GND	Vo						

Recommend Circuit



If you want to lower the output ripple, we advise you to add a LG on the output, we recommend "L" is 10μH~47μH

Application Note

- (1) The product connects the FG, the pins don't left open, otherwise will cause permanently damage.
- (2) This product does not support hot-swappable, and can not be used in parallel.

*Note: The power modules such as the definition of the pin does not match with the hand book, please refer to the actual item.