

Typical Performance

FEATURES

- Wide Input,non- isolation, regulated Output
- Efficiency :up to 96%
- Working temperature -40℃~+85℃
- 1A 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 air



Product Program

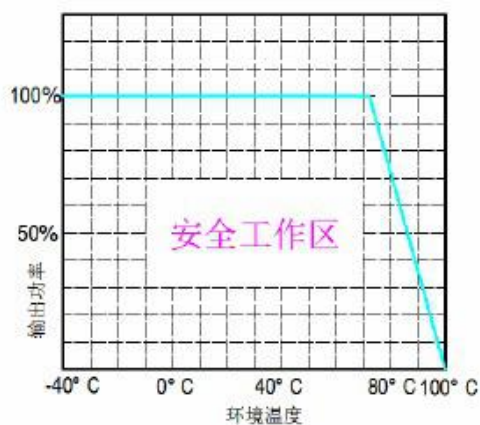
Part #	Input voltage range	Nominal output voltage / output current				
		VO1		Efficiency(%, typ)		
		Voltage (VDC)	Max (mA)	Min	Max	
K7803-1000	12V(4.75~28V)	3.3	1000	83	90	
K7805-1000	24V(6~32V)	5	1000	88	93	
K7809-1000	24V(11~32V)	9	1000	90	94	
K7812-1000	24V(15~32V)	12	1000	92	95	
K7815-1000	24V(18~32V)	15	1000	94	96	

□ 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.

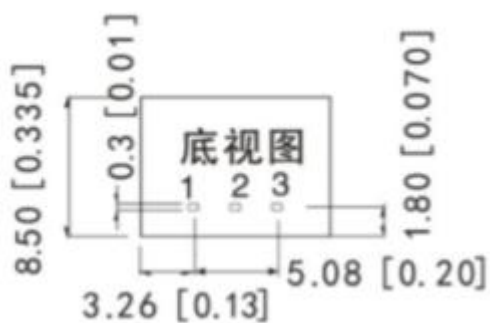
Mechanical Data

Packing Code	L x W x H : mm	Packing No.
K78XX-1000	11.50 * 8.50 * 17.50	

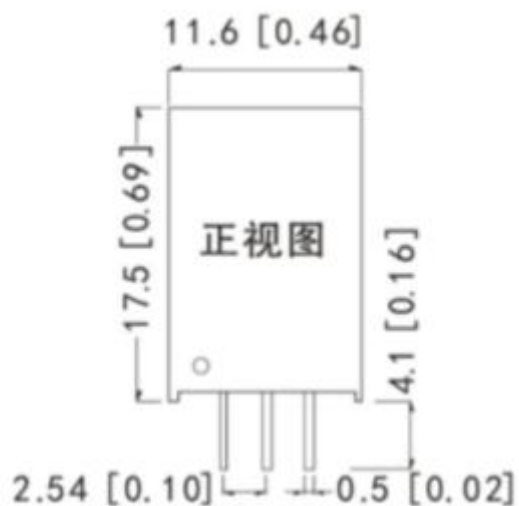
Typical Temperature Curve



Mechanical Dimension



BOTTON VIEW



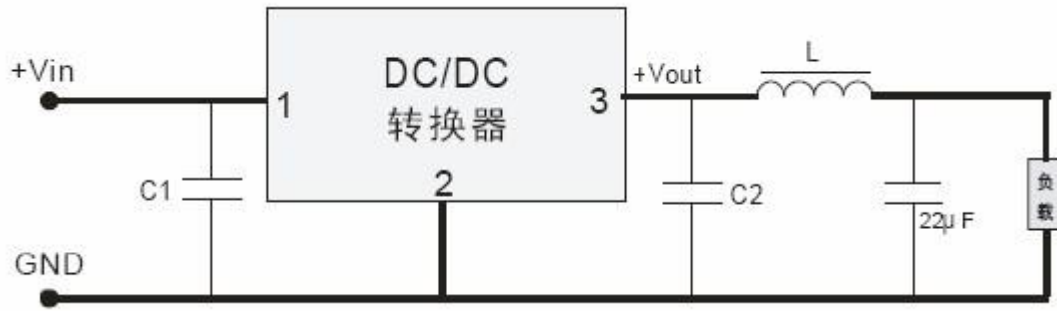
TOP VIEW

1	2	3
Vin	GND	Vo

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.