

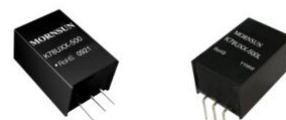
ECCO Electronics Technology Co.,Ltd

K78UXX-500(L) series DC/DC converter

Typical Performance

FEATURES

- Wide Input,non- isolation, up to 8:1
- Efficiency :up to 95%
- 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 air



3-Years Product Warranty

K78UXX-500(L)

① ② ③

① Series name

② output voltage

③ output current

Product Program

Part #	Input voltage range	Nominal output voltage / output current					
		VO1			Efficiency(%, typ)		
		Voltage (VDC)	Min (mA)	Max (mA)	Min	Max	
K78U03-500(L)	48V(9~72V)	3.3	10	500	82	75	
K78U05-500(L)	48V(9~72V)	5	10	500	87	81	
K78U06-500(L)	48V(9~72V)	6.5	10	500	91	84	
K78U09-500(L)	48V(14~72V)	9	10	500	92	86	
K78U12-500(L)	48V(17~72V)	12	10	500	93	89	
K78U15-500(L)	48V(20~72V)	15	10	500	94	90	
K78U24-500(L)	48V(36~72V)	24	10	500	95	91	

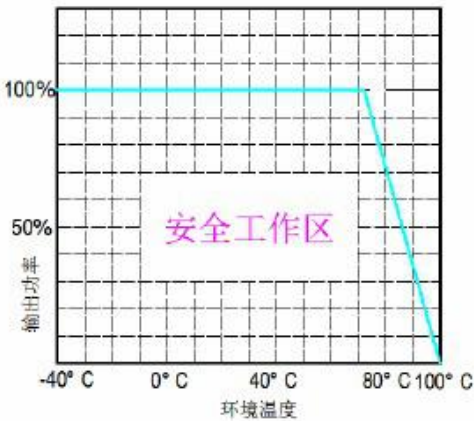
□ Shows the nominal value of input voltage,due to space limitations ,the above list is only for some products,If other than a list of products, please contact the Company's sales department.

Mechanical Data

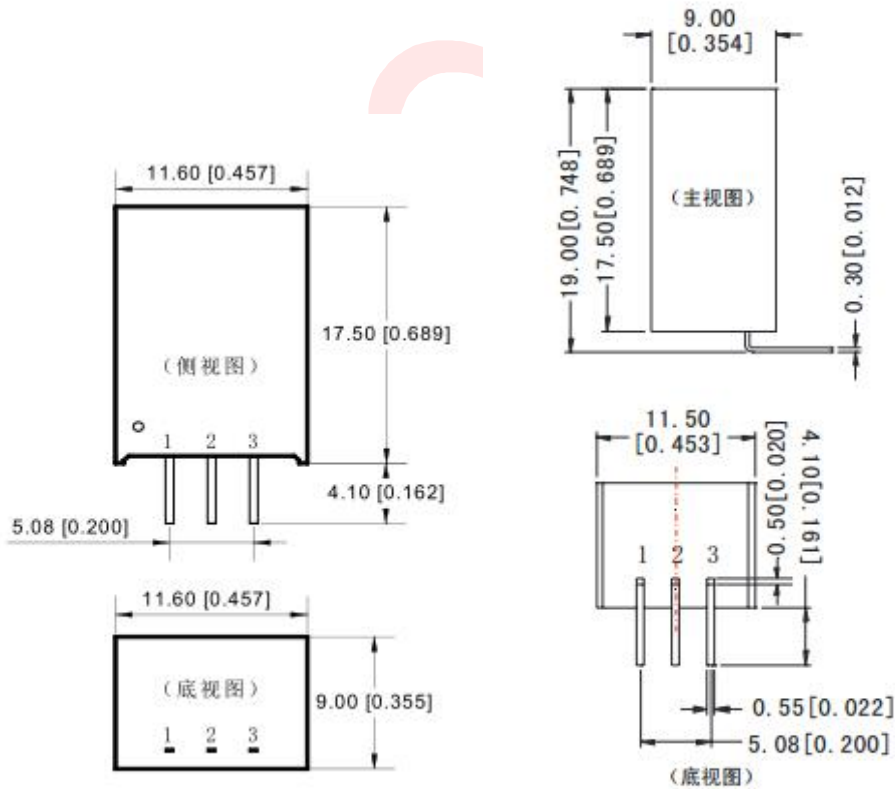
Packing Code	L x W x H : mm	Packing No.
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K78UXX-500	11.6*11.6*17.5	
K78UXX-500L	11.5*9*19	

Typical Temperature Curve



Mechanical Dimension

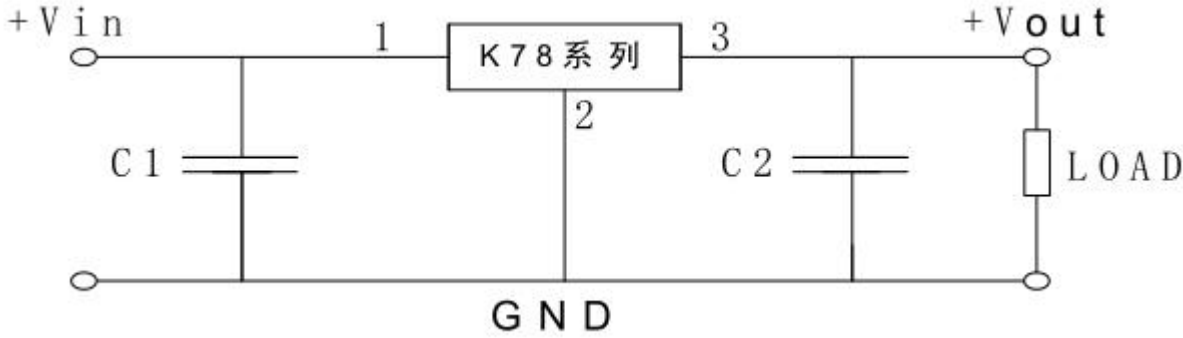


K78UXX-500

K78UXX-500L

Pin Assignment

PIN	1	2	3							
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Single O/P	Vin	GND	Vo								
Recommend Circuit											
 C1:10uF,C2:22uF											
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.											