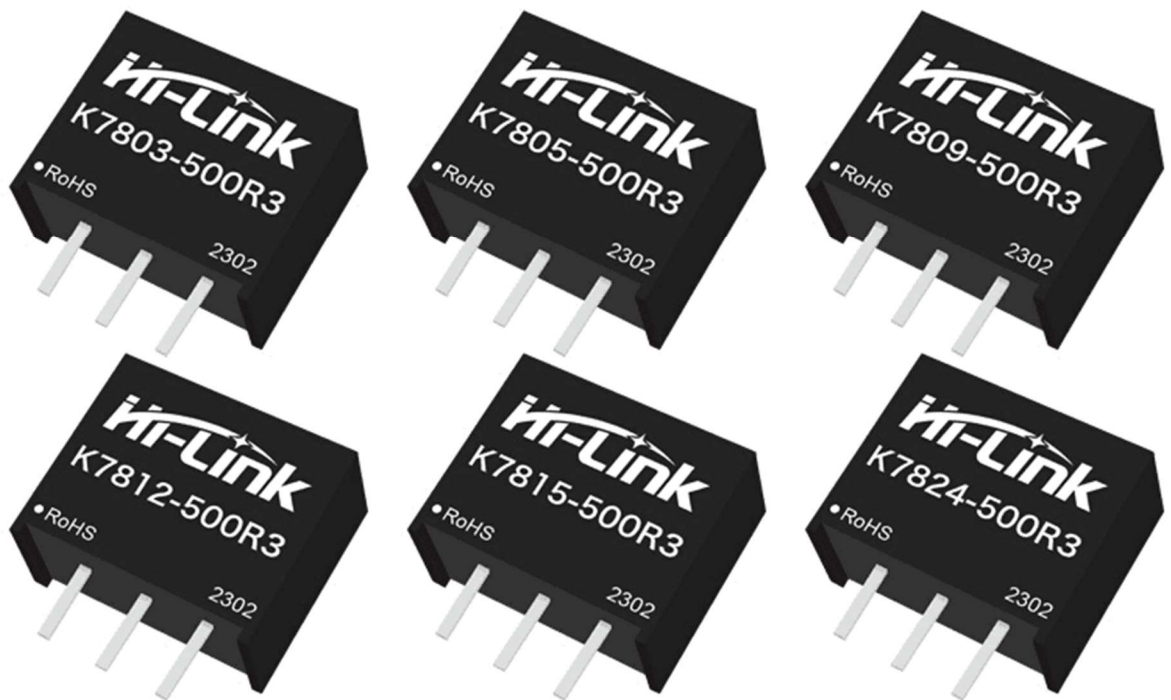


K78xx-500R3 Series

Ultra wide input non-isolated voltage stabilization output



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K7805-500R3/K7803-500R3/K7812-500R3 24V to 3.3V 9V 5V 12V 15V DC DC Non-isolated
voltage stabilization power module

K78xx-500R3 Power Module List

SELECTION OF POWER SUPPLY MODULE

Ultral-wide voltage input, non-isolated voltage stabilization single output

- Small SIP-3 package, international standard pins
- Support negative output
- High conversion efficiency, up to 95%(Typ.)
- Output short circuit protection
- Working temperature -40°C-- +85°C



Model	Input Voltage	Output Voltage(VDC) /Current(mA)	Fullload efficiency Min/Max	Max capacitive load
K7803-500R3	24(4.75-36)	3.3/500	86/80	680
K7805-500R3	24(6.5-36)	5/500	90/84	680
	12(7-31)	-5/-300	80/81	330
K7809-500R3	24(12-36)	9/500	93/90	680
K7812-500R3	24(15-36)	12/500	94/91	680
	12(8-24)	-12/-150	84/85	330
K7815-500R3	24(19-36)	15/500	95/93	680
	12(8-21)	-15/-150	85/87	330

Note:When the input voltage exceeds 30VDC, an external 22uF/50V electrolytic capacitor should be connected to the input terminal to prevent module damage caused by voltage spikes

Product Feature

1. Small SIP-3 package, international standard pin
2. Transfer efficiency up to 95%
3. Support negative output
4. Output short-circuit protection
5. Operating temperature range : -40°C~+85°C

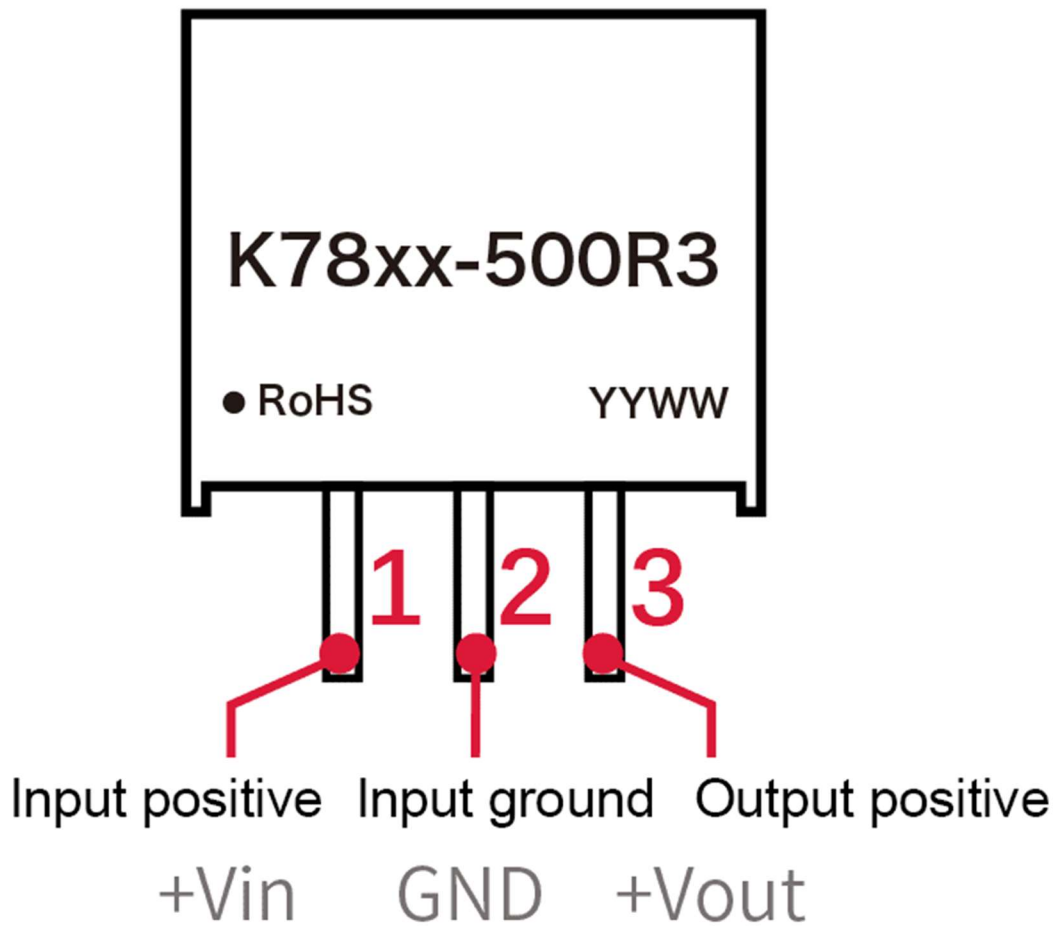
Input Characteristics

Item	Working conditions	Min.	Typ.	Max.	Unit
No load input current	Positive output	-	0.2	1.5	mA
Reverse input		prohibit			
input fliter type		capacity fliter			

Output Characteristics

Project name	Working and testing condition		Min.	Typ.	Max.	Unit
Output Voltage Accuracy	full load, input voltage range	K7803-500R3	--	±2.0	±4.0	%
		others	--	±2.0	±3.0	%

PIN DESCRIPTION



More details please feel free to contact hi-link team.



Shenzhen Hi-Link Electronic Co., Ltd.