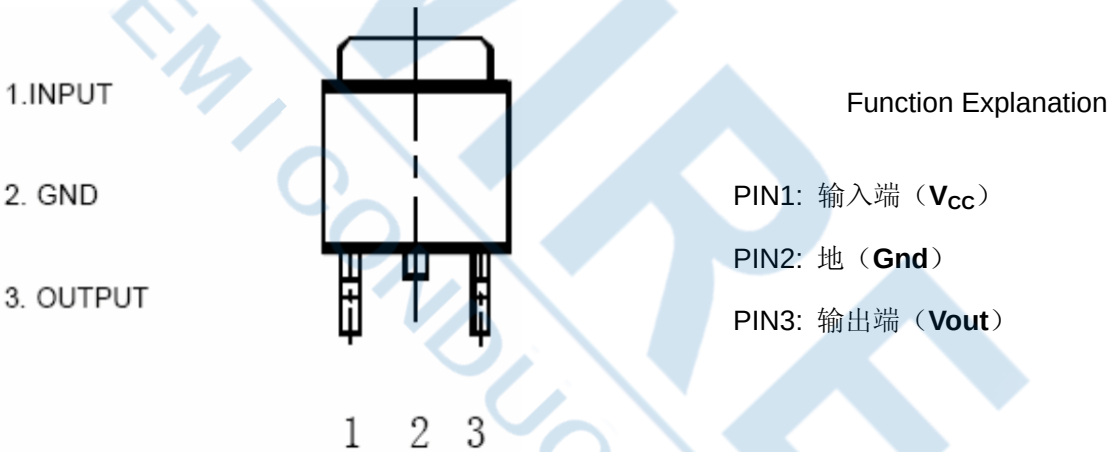


产品名称 Name of Product	最高输入电压 Max. Input Voltage
78M05	36V
	1000MA
	适用范围说明 Remark of Application

管脚的功能解释

PIN CONNECTION



ABSOLUTE MAXIMUM RATINGS (Operating temperature range applies unless otherwise specified)

Parameter	Symbol	Value	Unit
Input Voltage	V_i	36	V
Thermal Resistance from Junction to Air	$R_{\theta JA}$	80	$^{\circ}\text{C}/\text{W}$
Operating Junction Temperature Range	T_{OPR}	-25~+125	$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	-65~+150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS AT SPECIFIED VIRTUAL JUNCTION TEMPERATURE ($V_i=10\text{V}$, $I_o=500\text{mA}$, $C_i=0.33\mu\text{F}$, $C_o=0.1\mu\text{F}$, unless otherwise specified)

Parameter	Symbol	Test conditions		Min	Typ	Max	Unit
Output Voltage	Vo		25°C	4.8	5.0	5.2	V
		7V≤Vi≤20V, Io=5mA-1A	-25-125°C	4.75	5.00	5.25	V
Load Regulation	△Vo	Io=5mA-1A	25°C		9	100	mV
		Io=250mA-1000mA	25°C		4	50	mV
Line Regulation	△Vo	7V≤Vi≤25V	25°C		4	100	mV
		8V≤Vi≤12V	25°C		1.6	50	mV
Quiescent Current	Iq		25°C		5	8	mA
Quiescent Current Change	△Iq	7V≤Vi≤25V	-25-125°C		0.3	1.3	mA
		5mA≤Io≤1A	-25-125°C		0.03	0.5	mA
Output Noise Voltage	VN	10Hz≤f≤100KHz	25°C		42		μV/Vo
Output voltage drift	△Vo/△T	Io=5mA	-25-125°C		-1.1		mV/°C
Ripple Rejection	RR	8V≤Vi≤18V,f=120Hz	-25-125°C	62	73		dB
Dropout Voltage	Vd	Io=1A	25°C		2		V
Output resistance	RO	f=1KHz	25°C		10		mΩ
Short Circuit Current	Isc		25°C		230		mA
Peak Current	Ipk		25°C		2.2		A

测试图

