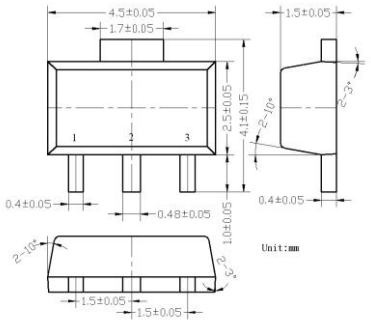
Three-terminal negative regulator



Features:

- Maximum output current
  I_{OM}: 0.1A
- Output voltage
  V_O: -5V
- Continuous total dissipation
  P_D: 0.5W

ABSOLUTE MAXIMUM RATINGS(operating temperature range applies unless otherwise noted)

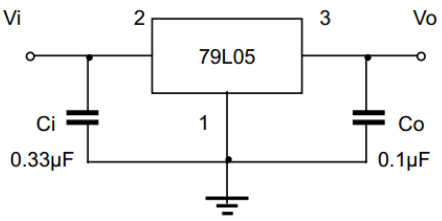
Parameter	Symbl	Value	Unit
Input voltage	V_I	-30	V
Operating Junction Temperature	T_{OPR}	0-+150	℃
Storage Temperature Range	T_{STG}	-55-+150	℃

1. GND
2. IN
3. OUT

ELECTRICAL CHARACTERISTICS AT SPECIFIED VIRTUAL JINCTION TEMPERATURE(V_I=-10V,I_O=40mA,Ci=0.33μF, C_O=0.1μF,unless otherwise specified)

Parameter	Symbol	Test conditions		Min	Typ	Max	Unit
Output Voltage	Vo		25℃	-4.8	-5.0	-5.2	V
		-7V≤V_I≤-20V, Io=1mA~40mA	0-125℃	-4.75	-5.0	-5.25	V
		Io=1mA~70mA		-4.75	-5.0	-5.25	V
Load Regulation	ΔVo	Io=1mA~100mA	25℃		20	60	mV
		Io=1mA~40mA	25℃		10	30	mV
Line Regulation	ΔVo	-7V≤V_I≤-20V	25℃		15	150	mV
		-8V≤V_I≤-20V	25℃		12	100	mV
Quiescent Current	Iq		25℃			6	mA
Quiescent Current Change	ΔIq	-8V≤V_I≤-20V	0-125℃			1.5	mA
	ΔIq	1mA≤V_I≤40mA	0-125℃			0.1	mA
Output Noise Voltage	V_N	10Hz≤f≤100KHz	25℃		40		μV
Ripple Rejection	RR	-8V≤V_I≤-18V,f=120Hz	0-125℃	41	49		dB
Dropout Voltage	Vd		25℃		1.7		V

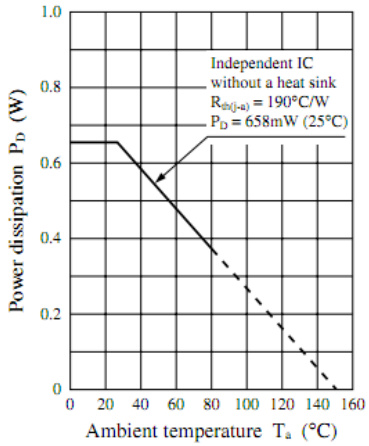
TYPICAL APPLICATION



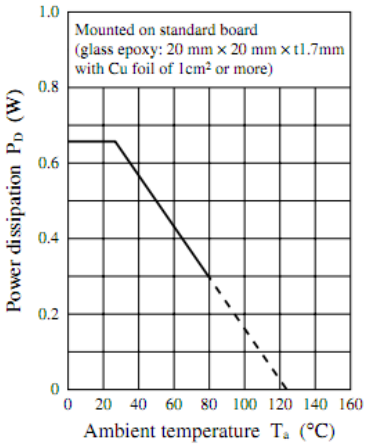
Note : Bypass capacitors are recommended for optimum stability and transient response and should be located as close as Possible to the regulators.

■ Main Characteristics

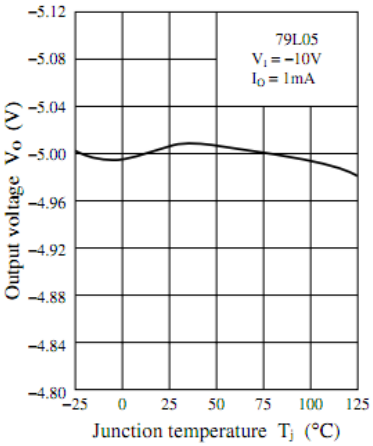
P_D — T_a (79Lxx series)



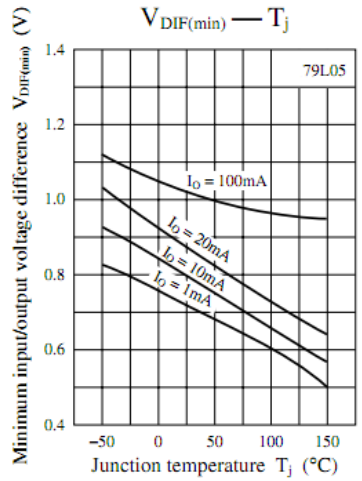
P_D — T_a (79LxxM series)



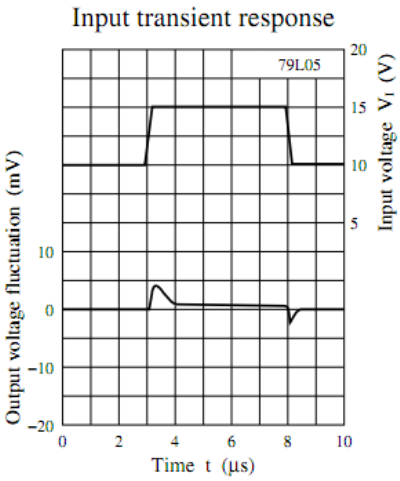
V_O — T_j



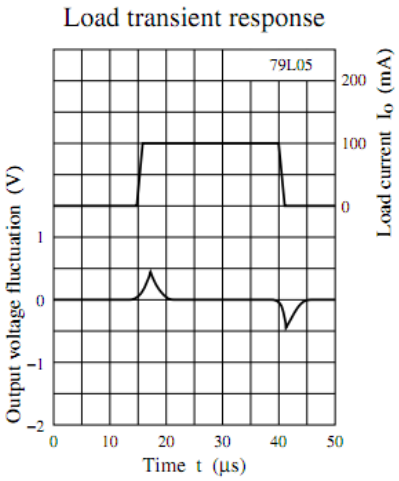
$V_{DIF(min)}$ — T_j



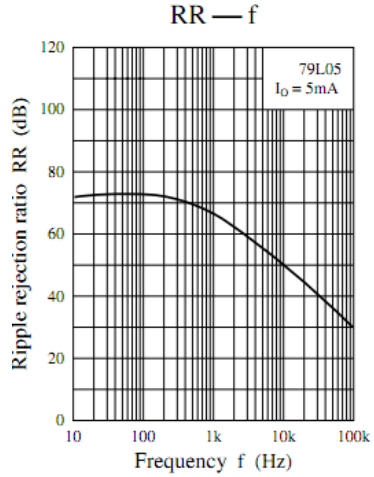
Input transient response



Load transient response



RR — f



单击下面可查看定价，库存，交付和生命周期等信息

>>YONGYUTAI(永裕泰)