TOSHIBA Bipolar Linear Integrated Circuit Silicon Monolithic

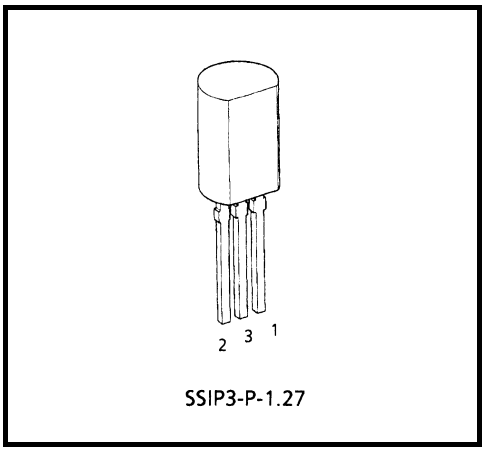
TA79L005P, TA79L006P, TA79L008P, TA79L009P, TA79L010P, TA79L012P, TA79L015P, TA79L018P, TA79L020P, TA79L024P

−5 V, −6 V, −8 V, −9 V, −10 V, −12 V, −15 V, −18 V, −20 V, −24 V

Three-Terminal Negative Voltage Regulators

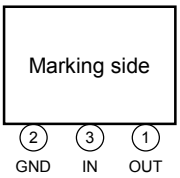
Features

- Best suited to a power supply for TTL and C^2MOS.
- Built-in overcurrent protective circuit.
- Built-in thermal protective circuit.
- Maximum output current of 150 mA (T_j = 25°C).
- Packaged in TO-92MOD.

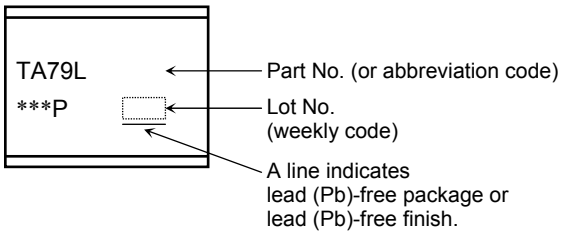


Weight: 0.36 g (Typ.)

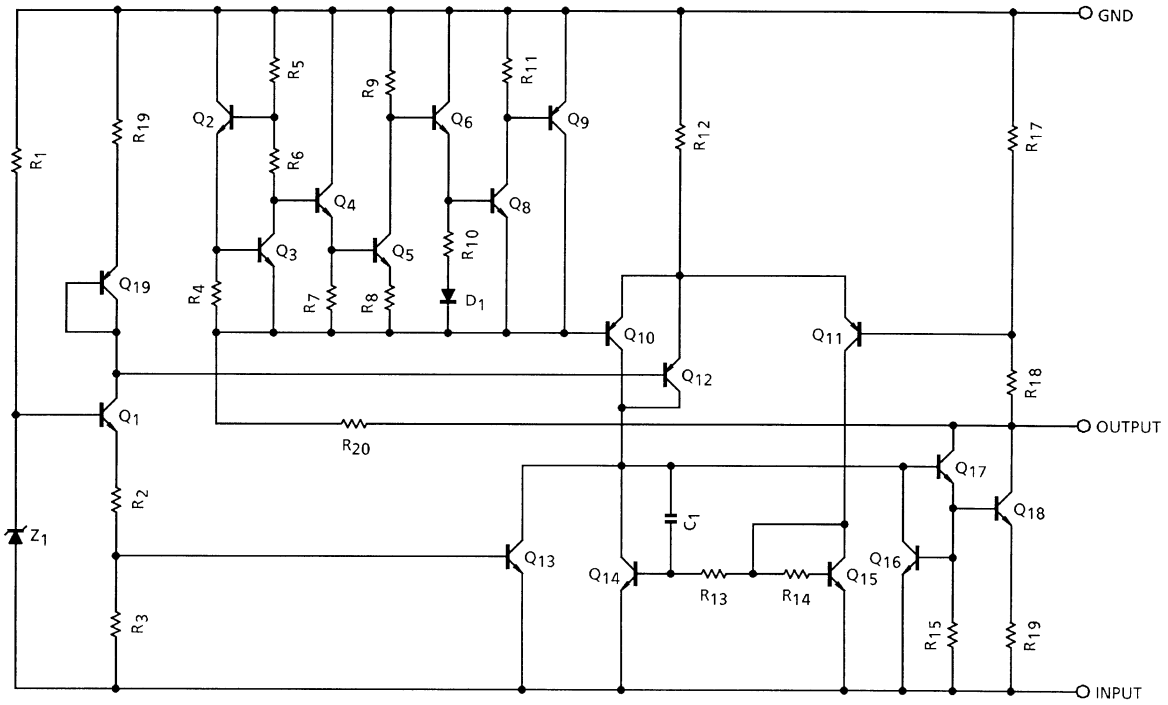
Pin Assignment



Marking



Equivalent Circuit



Absolute Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit
Input voltage	TA79L005P	V_{IN}	−35	V
	TA79L006P			
	TA79L008P			
	TA79L009P			
	TA79L010P			
	TA79L012P			
	TA79L015P			
	TA79L018P		−40	
	TA79L020P			
	TA79L024P			
Power dissipation	(Ta = 25°C)	P_D	800	mW
Operating temperature		T_{opr}	−30~85	°C
Storage temperature		T_{stg}	−55~150	°C
Junction temperature		T_j	150	°C
Thermal resistance		$R_{th\ (j-a)}$	156	°C/W

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings and the operating ranges.
Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook (“Handling Precautions”/Derating Concept and Methods) and individual reliability data (i.e. reliability test report and estimated failure rate, etc).

TA79L005P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −10 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−5.2	−5.0	−4.8	V
Line regulation	Reg·line	1	T_j = 25°C	−20 V ≤ V_{IN} ≤ −7.0 V	—	55	150	mV
				−20 V ≤ V_{IN} ≤ −8.0 V	—	45	100	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	11	60	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	5.0	30	
Output voltage	V_{OUT}	1	T_j = 25°C	−20 V ≤ V_{IN} ≤ −7.0 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−5.25	—	−4.75	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−5.25	—	−4.75	
Quiescent current	I_B	1	T_j = 25°C		—	3.1	6.0	mA
			T_j = 125°C		—	—	5.5	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−20 V ≤ V_{IN} ≤ −8.0 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	40	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	12	—	mV/kh
Ripple rejection ratio	R.R.	3	−18 V ≤ V_{IN} ≤ −8.0 V, T_j = 25°C, f = 120 Hz		41	49	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	0.6	—	mV/°C

TA79L006P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −11 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−6.24	−6.0	−5.76	V
Line regulation	Reg·line	1	T_j = 25°C	−21 V ≤ V_{IN} ≤ −8.1 V	—	50	150	mV
				−21 V ≤ V_{IN} ≤ −9.0 V	—	45	110	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	12	70	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	5.5	35	
Output voltage	V_{OUT}	1	T_j = 25°C	−21 V ≤ V_{IN} ≤ −8.1 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−6.3	—	−5.7	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−6.3	—	−5.7	
Quiescent current	I_B	1	T_j = 25°C		—	3.1	6.0	mA
			T_j = 125°C		—	—	5.5	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−21 V ≤ V_{IN} ≤ −9.0 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	40	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	14	—	mV/kh
Ripple rejection ratio	R.R.	3	−19 V ≤ V_{IN} ≤ −9.0 V, T_j = 25°C, f = 120 Hz		39	47	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	0.7	—	mV/°C

TA79L008P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −14 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−8.3	−8.0	−7.7	V
Line regulation	Reg·line	1	T_j = 25°C	−23 V ≤ V_{IN} ≤ −10.5 V	—	20	175	mV
				−23 V ≤ V_{IN} ≤ −11 V	—	12	125	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	15	80	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	7.0	40	
Output voltage	V_{OUT}	1	T_j = 25°C	−23 V ≤ V_{IN} ≤ −10.5 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−8.4	—	−7.6	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−8.4	—	−7.6	
Quiescent current	I_B	1	T_j = 25°C		—	3.1	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−23 V ≤ V_{IN} ≤ −11 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	60	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	20	—	mV/kh
Ripple rejection ratio	R.R.	3	−23 V ≤ V_{IN} ≤ −12 V, T_j = 25°C, f = 120 Hz		37	45	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	0.8	—	mV/°C

TA79L009P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −15 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−9.36	−9.0	−8.64	V
Line regulation	Reg·line	1	T_j = 25°C	−24 V ≤ V_{IN} ≤ −11.4 V	—	80	200	mV
				−24 V ≤ V_{IN} ≤ −12 V	—	20	160	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	17	90	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	8.0	45	
Output voltage	V_{OUT}	1	T_j = 25°C	−24 V ≤ V_{IN} ≤ −11.4 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−9.45	—	−8.55	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−9.45	—	−8.55	
Quiescent current	I_B	1	T_j = 25°C		—	3.2	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−24 V ≤ V_{IN} ≤ −12 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	65	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	21	—	mV/kh
Ripple rejection ratio	R.R.	3	−24 V ≤ V_{IN} ≤ −12 V, T_j = 25°C, f = 120 Hz		36	44	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	0.85	—	mV/°C

TA79L010P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −16 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−10.4	−10.0	−9.6	V
Line regulation	Reg·line	1	T_j = 25°C	−25 V ≤ V_{IN} ≤ −12.5 V	—	80	230	mV
				−25 V ≤ V_{IN} ≤ −13 V	—	30	170	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	18	90	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	8.5	45	
Output voltage	V_{OUT}	1	T_j = 25°C	−25 V ≤ V_{IN} ≤ −12.5 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−10.5	—	−9.5	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−10.5	—	−9.5	
Quiescent current	I_B	1	T_j = 25°C		—	3.2	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−25 V ≤ V_{IN} ≤ −13 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	70	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	22	—	mV/kh
Ripple rejection ratio	R.R.	3	−24 V ≤ V_{IN} ≤ −13 V, T_j = 25°C, f = 120 Hz		36	43	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	0.9	—	mV/°C

TA79L012P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −19 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−12.5	−12.0	−11.5	V
Line regulation	Reg·line	1	T_j = 25°C	−27 V ≤ V_{IN} ≤ −14.5 V	—	120	250	mV
				−27 V ≤ V_{IN} ≤ −16 V	—	100	200	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	20	100	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	10	50	
Output voltage	V_{OUT}	1	T_j = 25°C	−27 V ≤ V_{IN} ≤ −14.5 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−12.6	—	−11.4	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−12.6	—	−11.4	
Quiescent current	I_B	1	T_j = 25°C		—	3.2	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−27 V ≤ V_{IN} ≤ −16 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	80	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	24	—	mV/kh
Ripple rejection ratio	R.R.	3	−25 V ≤ V_{IN} ≤ −15 V, T_j = 25°C, f = 120 Hz		37	42	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	1.0	—	mV/°C

TA79L015P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −23 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−15.6	−15.0	−14.4	V
Line regulation	Reg·line	1	T_j = 25°C	−30 V ≤ V_{IN} ≤ −17.5 V	—	130	300	mV
				−30 V ≤ V_{IN} ≤ −20 V	—	110	250	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	25	150	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	12	75	
Output voltage	V_{OUT}	1	T_j = 25°C	−30 V ≤ V_{IN} ≤ −17.5 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−15.75	—	−14.25	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−15.75	—	−14.25	
Quiescent current	I_B	1	T_j = 25°C		—	3.3	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−30 V ≤ V_{IN} ≤ −20 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	90	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	30	—	mV/kh
Ripple rejection ratio	R.R.	3	−28.5 V ≤ V_{IN} ≤ −18.5 V, T_j = 25°C, f = 120 Hz		34	39	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	1.3	—	mV/°C

TA79L018P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −27 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−18.7	−18.0	−17.3	V
Line regulation	Reg·line	1	T_j = 25°C	−33 V ≤ V_{IN} ≤ 20.7 V	—	32	325	mV
				−33 V ≤ V_{IN} ≤ −21 V	—	27	275	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	30	170	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	15	75	
Output voltage	V_{OUT}	1	T_j = 25°C	−33 V ≤ V_{IN} ≤ −20.9 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−18.9	—	−17.1	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−18.9	—	−17.1	
Quiescent current	I_B	1	T_j = 25°C		—	3.3	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−33 V ≤ V_{IN} ≤ −21 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	150	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	45	—	mV/kh
Ripple rejection ratio	R.R.	3	−33 V ≤ V_{IN} ≤ −23 V, T_j = 25°C, f = 120 Hz		33	48	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	1.5	—	mV/°C

TA79L020P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −29 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

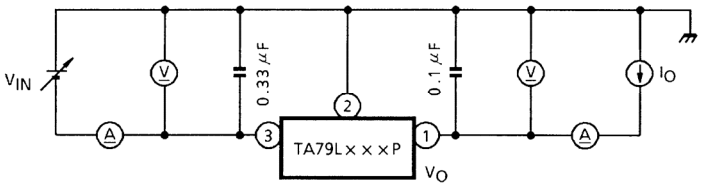
Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−20.8	−20.0	−19.2	V
Line regulation	Reg·line	1	T_j = 25°C	−35 V ≤ V_{IN} ≤ −23.5 V	—	33	330	mV
				−35 V ≤ V_{IN} ≤ −24 V	—	28	285	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	33	180	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	17	90	
Output voltage	V_{OUT}	1	T_j = 25°C	−35 V ≤ V_{IN} ≤ −23.5 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−21.0	—	−19.0	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−21.0	—	−19.0	
Quiescent current	I_B	1	T_j = 25°C		—	3.3	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−35 V ≤ V_{IN} ≤ −24 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	170	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	49	—	mV/kh
Ripple rejection ratio	R.R.	3	−35 V ≤ V_{IN} ≤ −27 V, T_j = 25°C, f = 120 Hz		31	37	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	1.7	—	mV/°C

TA79L024P
Electrical Characteristics
(Unless otherwise specified, V_{IN} = −33 V, I_{OUT} = 40 mA, C_{IN} = 0.33 μF, C_{OUT} = 0.1 μF, 0°C ≤ T_j ≤ 125°C)

Characteristics	Symbol	Test Circuit	Test Condition		Min	Typ.	Max	Unit
Output voltage	V_{OUT}	1	T_j = 25°C		−25.0	−24.0	−23.0	V
Line regulation	Reg·line	1	T_j = 25°C	−38 V ≤ V_{IN} ≤ −27 V	—	35	350	mV
				−38 V ≤ V_{IN} ≤ −28 V	—	30	300	
Load regulation	Reg·load	1	T_j = 25°C	1.0 mA ≤ I_{OUT} ≤ 100 mA	—	40	200	mV
				1.0 mA ≤ I_{OUT} ≤ 40 mA	—	20	100	
Output voltage	V_{OUT}	1	T_j = 25°C	−38 V ≤ V_{IN} ≤ −27 V, 1.0 mA ≤ I_{OUT} ≤ 40 mA	−25.2	—	−22.8	V
				1.0 mA ≤ I_{OUT} ≤ 70 mA	−25.2	—	−22.8	
Quiescent current	I_B	1	T_j = 25°C		—	3.5	6.5	mA
			T_j = 125°C		—	—	6.0	
Quiescent current change	ΔI_{BI}	1	T_j = 25°C	−38 V ≤ V_{IN} ≤ −28 V	—	—	1.5	mA
	ΔI_{BO}	1		1.0 mA ≤ I_{OUT} ≤ 40 mA	—	—	0.1	
Output noise voltage	V_{NO}	2	Ta = 25°C, 10 Hz ≤ f ≤ 100 kHz		—	200	—	μV_{rms}
Long term stability	$\Delta V_{OUT}/\Delta t$	1	—		—	56	—	mV/kh
Ripple rejection ratio	R.R.	3	−35 V ≤ V_{IN} ≤ −29 V, T_j = 25°C, f = 120 Hz		31	47	—	dB
Dropout voltage	V_D	1	T_j = 25°C		—	1.7	—	V
Average temperature coefficient of output voltage	T_{CVO}	1	I_{OUT} = 5 mA		—	2.0	—	mV/°C

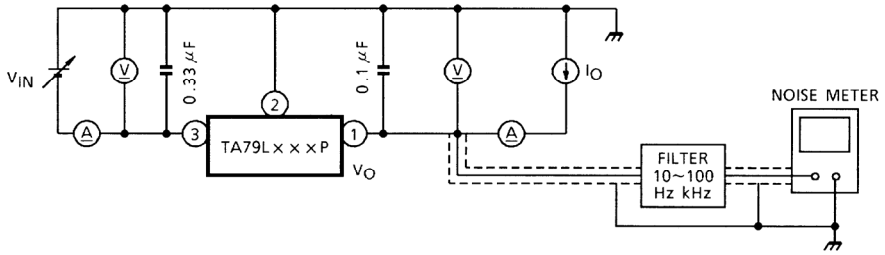
Test Circuit 1

V_{OUT}, Reg·line, Reg·load, I_B, ΔI_B, $\Delta V_{OUT}/\Delta t$, V_D, T_{CVO}



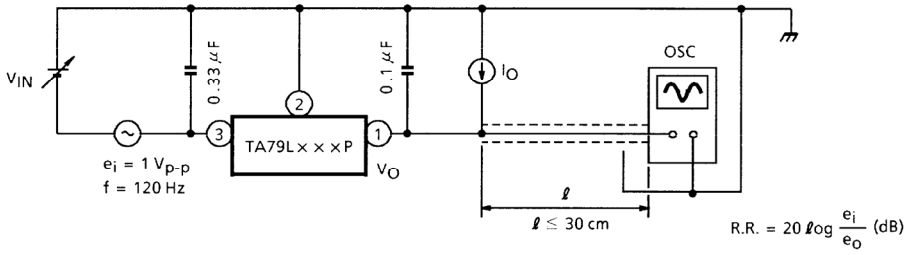
Test Circuit 2

V_{NO}

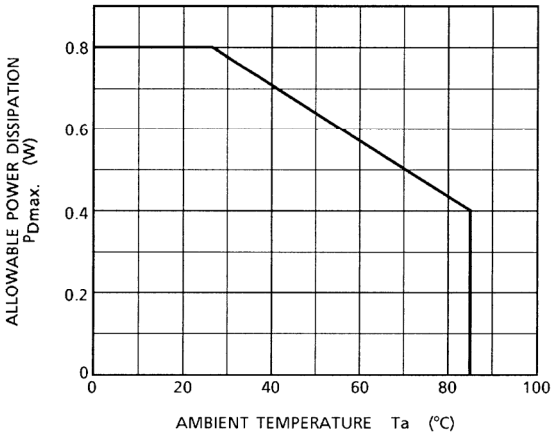


Test Circuit 3

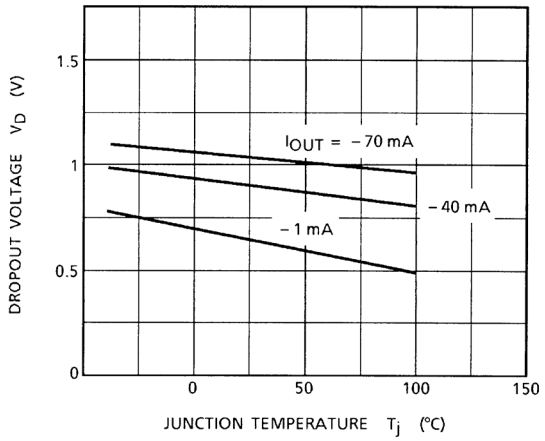
R.R.



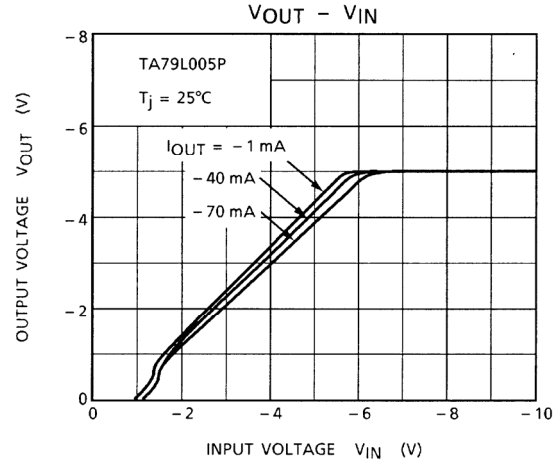
$P_{Dmax.}$ – Ta



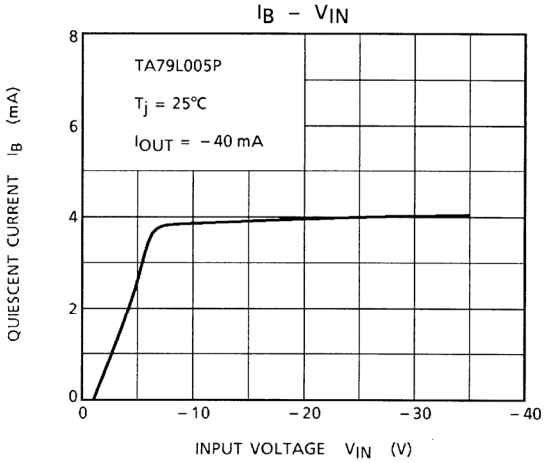
V_D – T_j



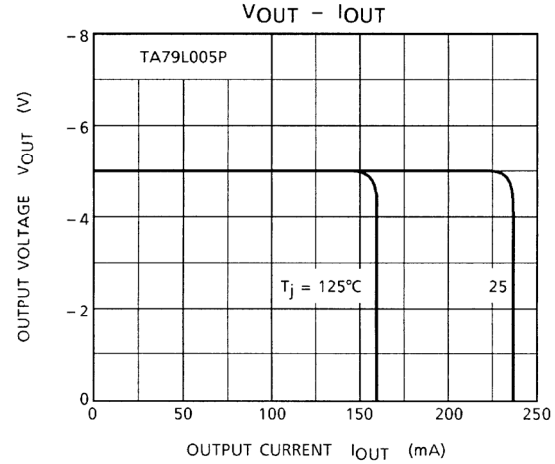
V_{OUT} – V_{IN}



I_B – V_{IN}

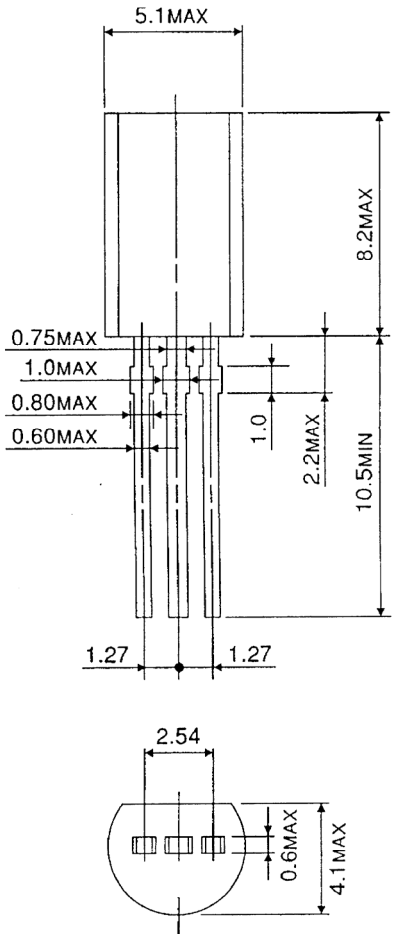


V_{OUT} – I_{OUT}



Package Dimensions

SSIP3-P-1.27 Unit : mm



Weight : 0.36 g (Typ.)

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20070701-EN

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