Ordering number:ENN1700E

Monolithic Linear IC

L780S00 Series

5 to 24V 1A 5-Pin Voltage Regulators with Strobe Pin

Features

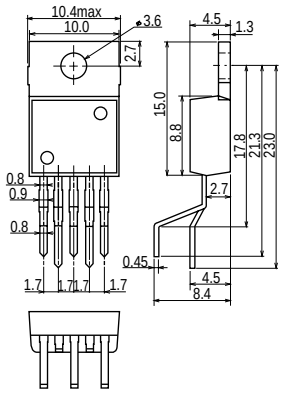
- Output voltage
  L780S05 : 5V L780S06 : 6V L780S07 : 7V
  L780S08 : 8V L780S09 : 9V L780S10 : 10V
  L780S12 : 12V L780S15 : 15V L780S18 : 18V
  L780S20 : 20V L780S24 : 24V
- The strobe pin can be used to turn ON/OFF output voltage (active-low).
- 1A output current.
- On-chip thermal protector.
- On-chip overcurrent limiter.
- On-chip ASO protector.
- The use of package TO-220-5H (5 pins) facilitates mounting and thermal design.

Package Dimensions

unit:mm

3079

[L780S00 Series]



1 : INPUT
2 : DELAY CAPACITOR
3 : GND
4 : RESET OUT
5 : OUTPUT
SANYO : TO-220-5H

Specifications

[Common to L780S00 series]

Maximum Ratings at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Maximum Supply Voltage	V_{CC} max	Pin 1	35	V
Strobe Input Voltage	V_{ST} max	Pin 4	18	V
Strobe Input Current	I_{ST} max	Pin 4	5	mA
Allowable Power Dissipation	Pd max		1.75	W
		Tc=25°C	20	W
Thermal Resistance	θj-c		5	˚C/W
Operating Temperature	Topr		–20 to +80	˚C
Storage Temperature	Tstg		–55 to +150	˚C

Strobe Operating Characteristics at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Strobe Operation Start Voltage	Vst (on)		2.4	V
Strobe Operation Stop Voltage	Vst (off)		0.5	V

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[L780S05]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		7.5 to 20.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=10V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		4.8	5.0	5.2	V
Line Regulation1	ΔV_Oln1	7V≤V_{IN}≤25V		3	100	mV
Line Regulation2	ΔV_Oln2	8V≤V_{IN}≤12V		1	50	mV
Load Regulation1	ΔV_Old1	5mA≤I_O≤1.5A			100	mV
Load Regulation2	ΔV_Old2	250mA≤I_O≤750mA			50	mV
Output Voltage2	V_O2	7V≤V_{IN}≤20V, 5mA≤V_{IN}≤1A	4.75		5.25	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CC}ln	7V≤V_{IN}≤25V			1.3	mA
Current Dissipation Variation (Load)	ΔI_{CC}ld	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		40		μV
Ripple Rejection	Rr	f=120Hz, 8V≤V_{IN}≤18V	62	78		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S06]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		8.5 to 21.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=11V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		5.75	6.0	6.25	V
Line Regulation1	ΔV_Oln1	8V≤V_{IN}≤25V		5	120	mV
Line Regulation2	ΔV_Oln2	9V≤V_{IN}≤13V		1.5	60	mV
Load Regulation1	ΔV_Old1	5mA≤I_O≤1.5A			120	mV
Load Regulation2	ΔV_Old2	250mA≤I_O≤750mA			60	mV
Output Voltage2	V_O2	8V≤V_{IN}≤21V, 5mA≤V_{IN}≤1A	5.7		6.3	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CC}ln	8V≤V_{IN}≤25V			1.3	mA
Current Dissipation Variation (Load)	ΔI_{CC}ld	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		45		μV
Ripple Rejection	Rr	f=120Hz, 9V≤V_{IN}≤19V	59	75		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S07]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		9.5 to 22.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=12V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		6.72	7.0	7.28	V
Line Regulation1	$\Delta V_O ln1$	9V≤V_{IN}≤26V		6	140	mV
Line Regulation2	$\Delta V_O ln2$	10V≤V_{IN}≤14V		2	70	mV
Load Regulation1	$\Delta V_O ld1$	5mA≤I_O≤1.5A			140	mV
Load Regulation2	$\Delta V_O ld2$	250mA≤I_O≤750mA			70	mV
Output Voltage2	V_O2	9V≤V_{IN}≤22V, 5mA≤V_{IN}≤1A	6.65		7.35	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	$\Delta I_{CC} ln$	9V≤V_{IN}≤25V			1.3	mA
Current Dissipation Variation (Load)	$\Delta I_{CC} ld$	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		46		μV
Ripple Rejection	Rr	f=120Hz, 10V≤V_{IN}≤21V	58	73		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S08]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		10.5 to 23.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=15V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		7.7	8.0	8.3	V
Line Regulation1	$\Delta V_O n1$	10.5V≤V_{IN}≤25V		6.0	160	mV
Line Regulation2	$\Delta V_O ln2$	11V≤V_{IN}≤17V		2.0	80	mV
Load Regulation1	$\Delta V_O ld1$	5mA≤I_O≤1.5A			160	mV
Load Regulation2	$\Delta V_O ld2$	250mA≤I_O≤750mA			80	mV
Output Voltage2	V_O2	10.5V≤V_{IN}≤23V, 5mA≤V_{IN}≤1A	7.6		8.4	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	$\Delta I_{CC} ln$	10.5V≤V_{IN}≤25V			1.0	mA
Current Dissipation Variation (Load)	$\Delta I_{CC} ld$	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		52		μV
Ripple Rejection	Rr	f=120Hz, 11.5V≤V_{IN}≤21.5V	56	72		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S09]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		11.5 to 25.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=16V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		8.64	9.0	9.36	V
Line Regulation1	ΔV_Oln1	11.5V≤V_{IN}≤25V		7	180	mV
Line Regulation2	ΔV_Oln2	12V≤V_{IN}≤20V		2	90	mV
Load Regulation1	ΔV_Old1	5mA≤I_O≤1.5A			180	mV
Load Regulation2	ΔV_Old2	250mA≤I_O≤750mA			90	mV
Output Voltage2	V_O2	11.5V≤V_{IN}≤24V, 5mA≤V_{IN}≤1A	8.55		9.45	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CC}ln	11.5V≤V_{IN}≤26V			1.0	mA
Current Dissipation Variation (Load)	ΔI_{CC}ld	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		57		μV
Ripple Rejection	Rr	f=120Hz, 12V≤V_{IN}≤22V	56	72		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S10]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		13.0 to 25.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=17V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		9.6	10.0	10.4	V
Line Regulation1	ΔV_Oln1	12.5V≤V_{IN}≤28V		8	200	mV
Line Regulation2	ΔV_Oln2	14V≤V_{IN}≤20V		2.5	100	mV
Load Regulation1	ΔV_Old1	5mA≤I_O≤1.5A			200	mV
Load Regulation2	ΔV_Old2	250mA≤I_O≤750mA			100	mV
Output Voltage2	V_O2	12.5V≤V_{IN}≤25V, 5mA≤V_{IN}≤1A	9.5		10.5	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CC}ln	12.5V≤V_{IN}≤25V			1.0	mA
Current Dissipation Variation (Load)	ΔI_{CC}ld	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		63		μV
Ripple Rejection	Rr	f=120Hz, 13V≤V_{IN}≤23V	55	72		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S12]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		15.0 to 27.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=19V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		11.5	12.0	12.5	V
Line Regulation1	$\Delta V_O ln1$	14.5V≤V_{IN}≤30V		10	240	mV
Line Regulation2	$\Delta V_O ln2$	16V≤V_{IN}≤22V		3	120	mV
Load Regulation1	$\Delta V_O ld1$	5mA≤I_O≤1.5A			240	mV
Load Regulation2	$\Delta V_O ld2$	250mA≤I_O≤750mA			120	mV
Output Voltage2	V_O2	14.5V≤V_{IN}≤27V, 5mA≤V_{IN}≤1A	11.4		12.6	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	$\Delta I_{CC} ln$	14.5V≤V_{IN}≤30V			1.0	mA
Current Dissipation Variation (Load)	$\Delta I_{CC} ld$	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		75		μV
Ripple Rejection	Rr	f=120Hz, 15V≤V_{IN}≤25V	55	71		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S15]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		18.0 to 30.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=23V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		14.4	15.0	15.6	V
Line Regulation1	$\Delta V_O ln1$	17.5V≤V_{IN}≤30V		11	300	mV
Line Regulation2	$\Delta V_O ln2$	20V≤V_{IN}≤26V		3	150	mV
Load Regulation1	$\Delta V_O ld1$	5mA≤I_O≤1.5A			300	mV
Load Regulation2	$\Delta V_O ld2$	250mA≤I_O≤750mA			150	mV
Output Voltage2	V_O2	17.5V≤V_{IN}≤30V, 5mA≤V_{IN}≤1A	14.25		15.75	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	$\Delta I_{CC} ln$	17.5V≤V_{IN}≤30V			1.0	mA
Current Dissipation Variation (Load)	$\Delta I_{CC} ld$	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		90		μV
Ripple Rejection	Rr	f=120Hz, 18.5V≤V_{IN}≤28.5V	54	70		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S18]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		21.0 to 33.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=27V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		17.3	18.0	18.7	V
Line Regulation1	ΔV_Oln1	21V≤V_{IN}≤33V		15	360	mV
Line Regulation2	ΔV_Oln2	24V≤V_{IN}≤30V		5	180	mV
Load Regulation1	ΔV_Old1	5mA≤I_O≤1.5A			360	mV
Load Regulation2	ΔV_Old2	250mA≤I_O≤750mA			180	mV
Output Voltage2	V_O2	21V≤V_{IN}≤33V, 5mA≤V_{IN}≤1A	17.1		18.9	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CC}ln	21V≤V_{IN}≤33V			1.0	mA
Current Dissipation Variation (Load)	ΔI_{CC}ld	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		110		μV
Ripple Rejection	Rr	f=120Hz, 22V≤V_{IN}≤32V	53	69		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S20]

Recommended Operating Conditions at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		23.0 to 35.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=29V, I_O=500mA, Vst=0V, *Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		19.2	20.0	20.8	V
Line Regulation1	ΔV_Oln1	23V≤V_{IN}≤35V		15	400	mV
Line Regulation2	ΔV_Oln2	26V≤V_{IN}≤32V		5	200	mV
Load Regulation1	ΔV_Old1	5mA≤I_O≤1.5A			400	mV
Load Regulation2	ΔV_Old2	250mA≤I_O≤750mA			200	mV
Output Voltage2	V_O2	24V≤V_{IN}≤35V, 5mA≤V_{IN}≤1A	19.0		21.0	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CC}ln	23V≤V_{IN}≤35V			1.0	mA
Current Dissipation Variation (Load)	ΔI_{CC}ld	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		110		μV
Ripple Rejection	Rr	f=120Hz, 24V≤V_{IN}≤34V	53	67		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

[L780S24]

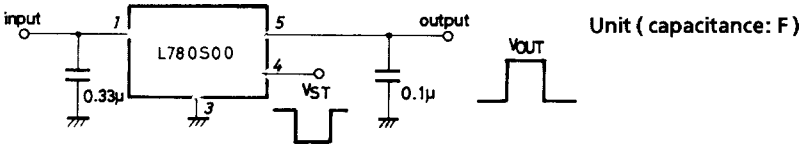
Recommended Operating Conditions at Ta = 25˚C

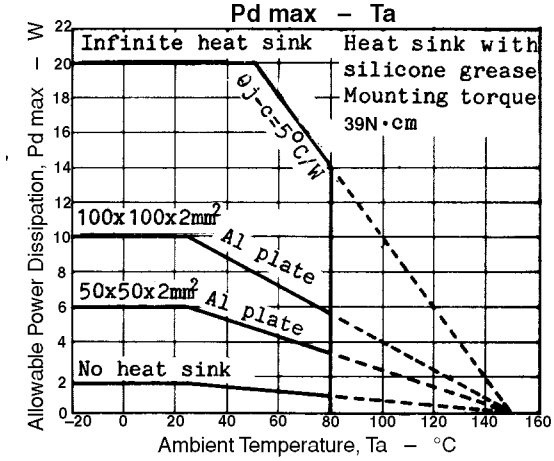
Parameter	Symbol	Conditions	Ratings	Unit
Input Voltage Range	V_{IN}		27.0 to 35.0	V
Output Current Range	I_O		5 to 1000	mA

Operating Characteristics at Tj = 25˚C, V_{IN}=33V, I_O=500mA, Vst=0V, *Ta = 25˚C

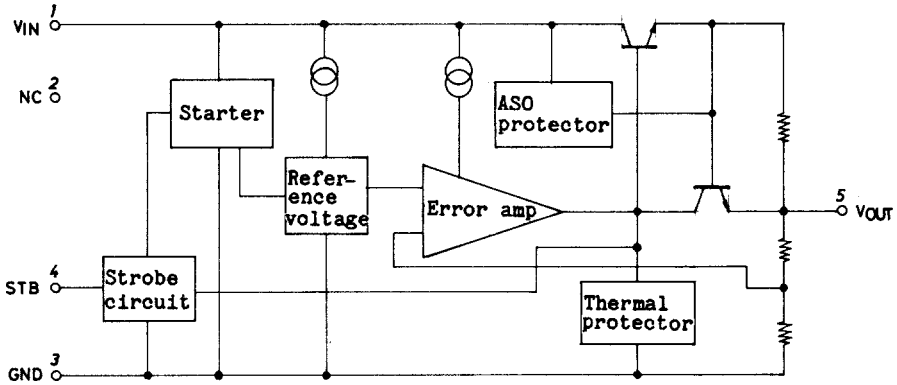
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Output Voltage1	V_O1		23.0	24.0	25.0	V
Line Regulation1	ΔV_Oln1	27V≤V_{IN}≤35V		18	480	mV
Line Regulation2	ΔV_Oln2	30V≤V_{IN}≤35V		6	240	mV
Load Regulation1	ΔV_Old1	5mA≤I_O≤1.5A			480	mV
Load Regulation2	ΔV_Old2	250mA≤I_O≤750mA			240	mV
Output Voltage2	V_O2	27V≤V_{IN}≤35V, 5mA≤V_{IN}≤1A	22.8		25.2	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CC}ln	27V≤V_{IN}≤35V			1.0	mA
Current Dissipation Variation (Load)	ΔI_{CC}ld	5mA≤I_O≤1A			0.5	mA
Output Noise Voltage	V_{NO}	10Hz≤f≤100kHz*		180		μV
Ripple Rejection	Rr	f=120Hz, 28V≤V_{IN}≤34V	50	66		dB
Dropout voltage	Vdrop	I_O=1A		2.0		V
Output Short Current	I_{OS}	V_{IN}=35V		0.75		A
Peak Output Current	I_{OP}			2.2		A
Output Voltage at Strobe Mode	V_O(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			0.8	V
Current Dissipation at Strobe Mode	I_{CC}(ston)	V_{IN}=35V, Vst=5V, I_O=0, *			3.0	mA
Strobe Input Current	Ist	V_{IN}=35V, Vst=5V, I_O=0, *			1.0	mA

DC Characteristics Test Circuit (Common to L780S00 series)

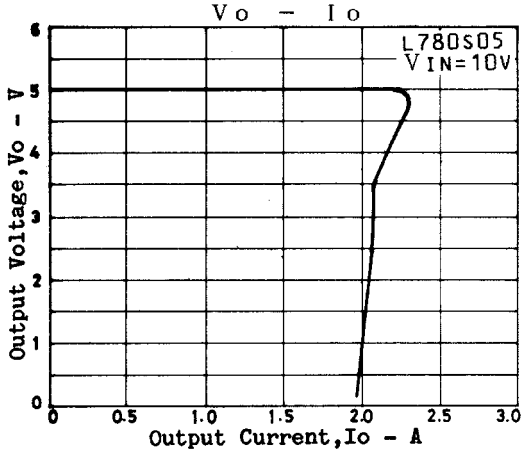




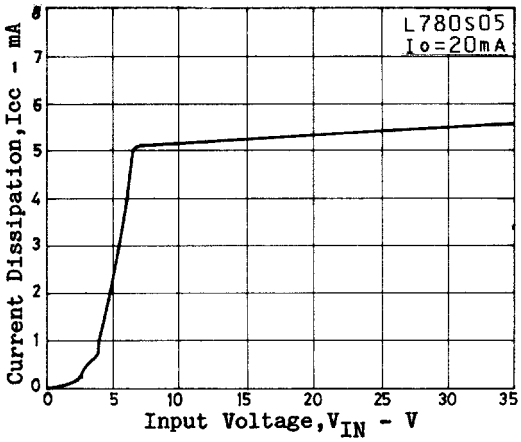
Equivalent Circuit Block Diagram



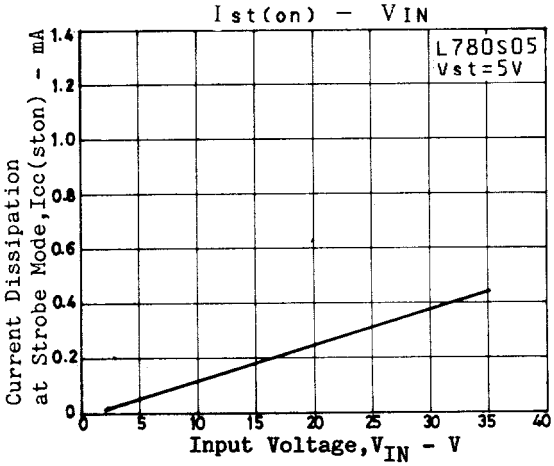
Vo – Io



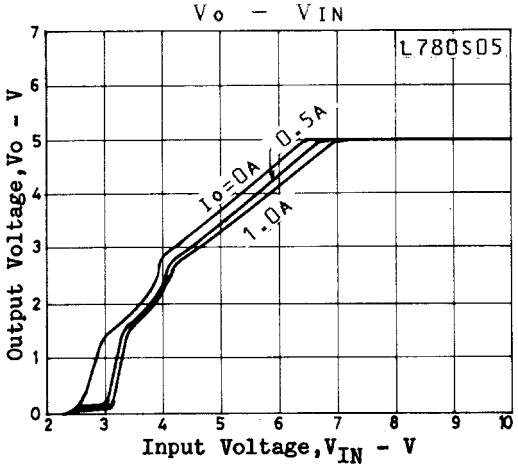
Icc – VIN



Ist(on) – VIN



Vo – VIN



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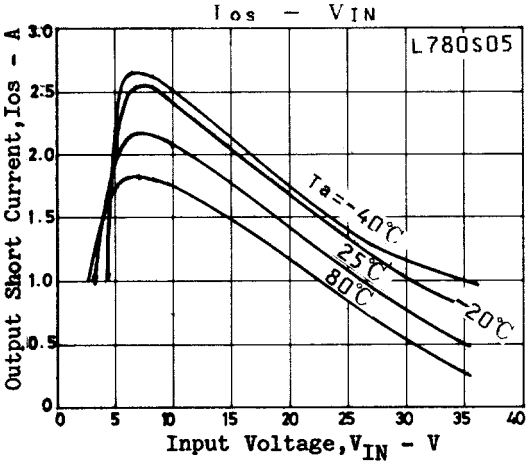
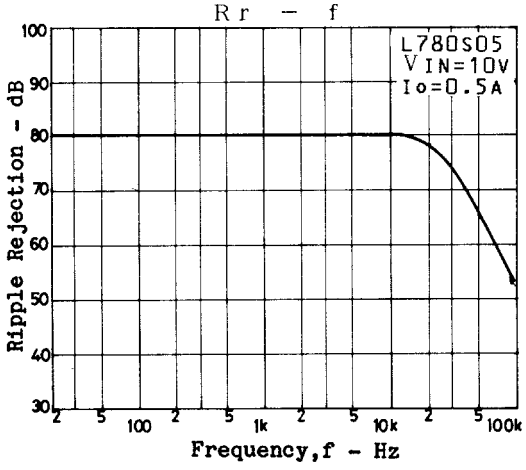
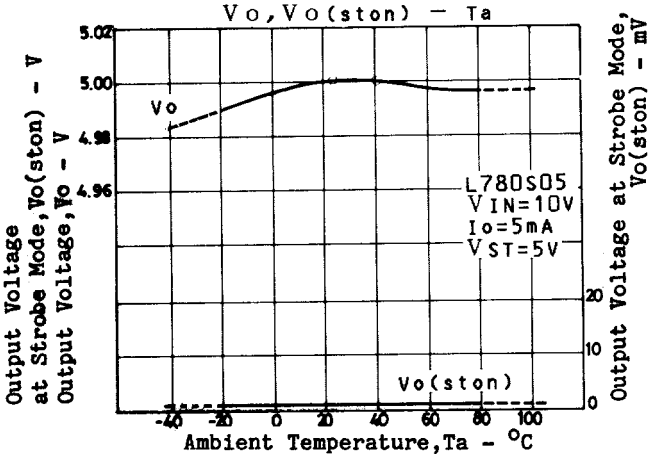


Rr – f



Vo,Vo(ston) – Ta



Icc,Ist(on) – Ta