

SANYO

No.1700E

Monolithic Linear IC

L780S00 Series5 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 TO220-5H (5 pins) facilitates mounting and thermal design.

[Common to L780S00 series]

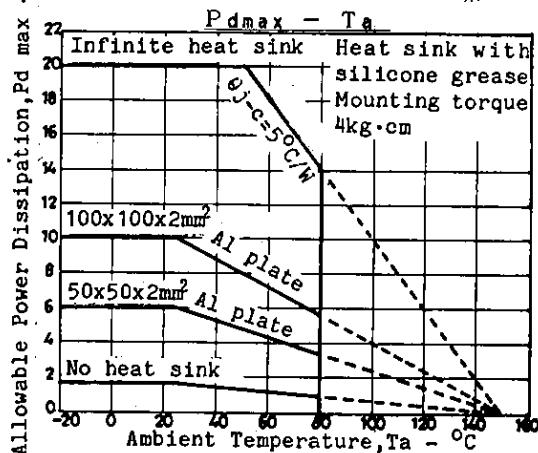
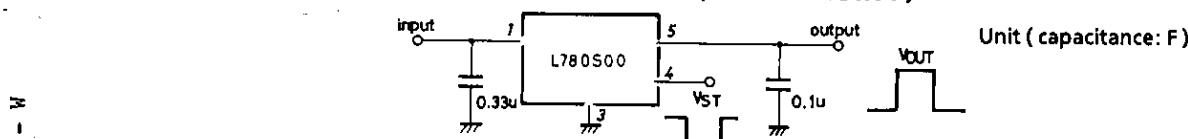
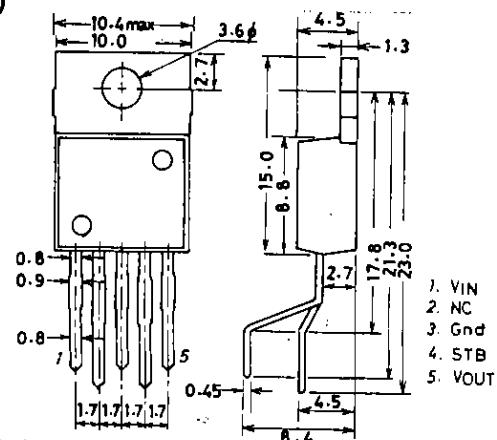
Maximum Ratings at $T_a=25^\circ\text{C}$

		unit
Maximum Supply Voltage	$V_{CC\max}$	Pin 1
Strobe Input Voltage	$V_{ST\max}$	Pin 4
Strobe Input Current	$I_{ST\max}$	Pin 4
Allowable Power Dissipation	P_{dmax}	5 mA
		$T_c=25^\circ\text{C}$
Thermal Resistance	θ_{j-c}	1.75 W
Operating Temperature	T_{opr}	20 W
Storage Temperature	T_{stg}	-20 to $+80$ $^\circ\text{C}$
		-55 to $+150$ $^\circ\text{C}$

Strobe Operating Characteristics at $T_a=25^\circ\text{C}$

	unit
Strobe Operation Start Voltage $V_{st(on)}$	2.4 V
Strobe Operation Stop Voltage $V_{st(off)}$	0.5 V

DC Characteristics Test Circuit (Common to L780S00 series)

Package Dimensions
(unit: mm)
3079

SANYO Electric Co., Ltd. Semiconductor Business Headquarters
TOKYO OFFICE Tokyo Bldg. 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN

L780S00 Series

L780S05

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V_{IN}	7.5 to 20.0	unit
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

			min	typ	max	unit
Output Voltage 1	V_{O1}		4.8	5.0	5.2	V
Line Regulation 1	ΔV_{OL1}	$7V \leq V_{IN} \leq 25V$		3	100	mV
Line Regulation 2	ΔV_{OL2}	$8V \leq V_{IN} \leq 12V$		1	50	mV
Load Regulation 1	ΔV_{OL1}	$5mA \leq I_o \leq 1.5A$			100	mV
Load Regulation 2	ΔV_{OL2}	$250mA \leq I_o \leq 750mA$			50	mV
Output Voltage 2	V_{O2}	$7V \leq V_{IN} \leq 20V$, $5mA \leq V_{IN} \leq 1A$	4.75		5.25	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CCLN}	$7V \leq V_{IN} \leq 25V$			1.3	mA
Current Dissipation Variation (Load)	ΔI_{CCLD}	$5mA \leq I_o \leq 1A$			0.5	mA
Output Noise Voltage	V_{NO}	$10Hz \leq f \leq 100kHz^*$			40	uV
Ripple Rejection	R_r	$f=120Hz$, $8V \leq V_{IN} \leq 18V$	62	78		dB
Dropout Voltage	V_{DROP}	$I_o=1A$			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	$I_{CC(ston)}$	"			3.0	mA
Strobe Input Current	I_{ST}	"			1.0	mA

L780S06

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V_{IN}	8.5 to 21.0	unit
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

			min	typ	max	unit
Output Voltage 1	V_{O1}		5.75	6.0	6.25	V
Line Regulation 1	ΔV_{OL1}	$8V \leq V_{IN} \leq 25V$		5	120	mV
Line Regulation 2	ΔV_{OL2}	$9V \leq V_{IN} \leq 13V$		1.5	60	mV
Load Regulation 1	ΔV_{OL1}	$5mA \leq I_o \leq 1.5A$			120	mV
Load Regulation 2	ΔV_{OL2}	$250mA \leq I_o \leq 750mA$			60	mV
Output Voltage 2	V_{O2}	$8V \leq V_{IN} \leq 21V$, $5mA \leq V_{IN} \leq 1A$	5.7		6.3	V
Current Dissipation	I_{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI_{CCLN}	$8V \leq V_{IN} \leq 25V$			1.3	mA
Current Dissipation Variation (Load)	ΔI_{CCLD}	$5mA \leq I_o \leq 1A$			0.5	mA
Output Noise Voltage	V_{NO}	$10Hz \leq f \leq 100kHz^*$			45	uV
Ripple Rejection	R_r	$f=120Hz$, $9V \leq V_{IN} \leq 19V$	59	75		dB
Dropout Voltage	V_{DROP}	$I_o=1A$			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	$I_{CC(ston)}$	"			3.0	mA
Strobe Input Current	I_{ST}	"			1.0	mA

L780S00 Series

L780S07

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	9.5 to 22.0	V	unit
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

			min	typ	max	unit
Output Voltage 1	V _{O1}		6.72	7.0	7.28	V
Line Regulation 1	ΔV _{OLN1}	9V ≤ V _{IN} ≤ 26V		6	140	mV
Line Regulation 2	ΔV _{OLN2}	10V ≤ V _{IN} ≤ 14V		2	70	mV
Load Regulation 1	ΔV _{OLD1}	5mA ≤ I _O ≤ 1.5A			140	mV
Load Regulation 2	ΔV _{OLD2}	250mA ≤ I _O ≤ 750mA			70	mV
Output Voltage 2	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)	ΔI _{COLN}	9V ≤ V _{IN} ≤ 25V			1.3	mA
Current Dissipation Variation (Load)	ΔI _{COLD}	5mA ≤ I _O ≤ 1A			0.5	mA
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*			46	uV
Ripple Rejection	R _r	f = 120Hz, 10V ≤ V _{IN} ≤ 21V	58	73		dB
Dropout Voltage	V _{DROP}	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, V _{ST} = 5V, I _O = 0, *			0.8	V
Current Dissipation at Strobe Mode	I _{CC(ston)}	"			3.0	mA
Strobe Input Current	I _{ST}	"			1.0	mA

L780S08

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	10.5 to 23.0	V	unit
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

			min	typ	max	unit
Output Voltage 1	V _{O1}		7.7	8.0	8.3	V
Line Regulation 1	ΔV _{OLN1}	10.5V ≤ V _{IN} ≤ 25V		6.0	160	mV
Line Regulation 2	ΔV _{OLN2}	11V ≤ V _{IN} ≤ 17V		2.0	80	mV
Load Regulation 1	ΔV _{OLD1}	5mA ≤ I _O ≤ 1.5A			160	mV
Load Regulation 2	ΔV _{OLD2}	250mA ≤ I _O ≤ 750mA			80	mV
Output Voltage 2	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)	ΔI _{COLN}	10.5V ≤ V _{IN} ≤ 25V			1.0	mA
Current Dissipation Variation (Load)	ΔI _{COLD}	5mA ≤ I _O ≤ 1A			0.5	mA
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*			52	uV
Ripple Rejection	R _r	f = 120Hz, 11.5V ≤ V _{IN} ≤ 21.5V	56	72		dB
Dropout Voltage	V _{DROP}	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, V _{ST} = 5V, I _O = 0, *			0.8	V
Current Dissipation at Strobe Mode	I _{CC(ston)}	"			3.0	mA
Strobe Input Current	I _{ST}	"			1.0	mA

L780500 Series

L780S09

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	11.5 to 25.0	V	unit
Output Current Range	I _O	5 to 1000	mA	

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

			min	typ	max	unit
Output Voltage 1	V _{O1}		8.64	9.0	9.36	V
Line Regulation 1	ΔV _{OLN1}	11.5V ≤ V _{IN} ≤ 25V		7	180	mV
Line Regulation 2	ΔV _{OLN2}	12V ≤ V _{IN} ≤ 20V		2	90	mV
Load Regulation 1	ΔV _{OLD1}	5mA ≤ I _O ≤ 1.5A			180	mV
Load Regulation 2	ΔV _{OLD2}	250mA ≤ I _O ≤ 750mA			90	mV
Output Voltage 2	V _{O2}	11.5V ≤ V _{IN} ≤ 24V, 8.55 5mA ≤ V _{IN} ≤ 1A		9.45		V
Current Dissipation	I _{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI _{CCLN}	11.5V ≤ V _{IN} ≤ 26V			1.0	mA
Current Dissipation Variation (Load)	ΔI _{CLD}	5mA ≤ I _O ≤ 1A			0.5	mA
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*		57		uV
Ripple Rejection	R _r	f = 120Hz, 12V ≤ V _{IN} ≤ 22V	56	72		dB
Dropout Voltage	V _{DROP}	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, V _{ST} = 5V, I _O = 0,*			0.8	V
Current Dissipation at Strobe Mode	I _{CC(STON)}	"			3.0	mA
Strobe Input Current	I _{ST}	"			1.0	mA

L780S10

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	13.0 to 25.0	V	unit
Output Current Range	I _O	5 to 1000	mA	

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

			min	typ	max	unit
Output Voltage 1	V _{O1}		9.6	10.0	10.4	V
Line Regulation 1	ΔV _{OLN1}	12.5V ≤ V _{IN} ≤ 28V		8	200	mV
Line Regulation 2	ΔV _{OLN2}	14V ≤ V _{IN} ≤ 20V		2.5	100	mV
Load Regulation 1	ΔV _{OLD1}	5mA ≤ I _O ≤ 1.5A			200	mV
Load Regulation 2	ΔV _{OLD2}	250mA ≤ I _O ≤ 750mA			100	mV
Output Voltage 2	V _{O2}	12.5V ≤ V _{IN} ≤ 25V, 9.5 5mA ≤ V _{IN} ≤ 1A		10.5		V
Current Dissipation	I _{CC}				8.0	mA
Current Dissipation Variation (Line)	ΔI _{CCLN}	12.5V ≤ V _{IN} ≤ 25V			1.0	mA
Current Dissipation Variation (Load)	ΔI _{CLD}	5mA ≤ I _O ≤ 1A			0.5	mA
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*		63		uV
Ripple Rejection	R _r	f = 120Hz, 13V ≤ V _{IN} ≤ 23V	55	72		dB
Dropout Voltage	V _{DROP}	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, V _{ST} = 5V, I _O = 0,*			0.8	V
Current Dissipation at Strobe Mode	I _{CC(STON)}	"			3.0	mA
Strobe Input Current	I _{ST}	"			1.0	mA

L780500 Series

L780S12

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	15.0 to 27.0	V	unit
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

			min	typ	max	unit
Output Voltage 1	V _{O1}		11.5	12.0	12.5	V
Line Regulation 1	ΔV _{OLN1}	14.5V ≤ V _{IN} ≤ 30V		10	240	mV
Line Regulation 2	ΔV _{OLN2}	16V ≤ V _{IN} ≤ 22V		3	120	mV
Load Regulation 1	ΔV _{OLD1}	5mA ≤ I _O ≤ 1.5A			240	mV
Load Regulation 2	ΔV _{OLD2}	250mA ≤ I _O ≤ 750mA			120	mV
Output Voltage 2	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)	ΔI _{CCLN}	14.5V ≤ V _{IN} ≤ 30V			1.0	mA
Current Dissipation Variation (Load)	ΔI _{CLD}	5mA ≤ I _O ≤ 1A			0.5	mA
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*		75		uV
Ripple Rejection	R _r	f=120Hz, 15V ≤ V _{IN} ≤ 25V	55	71		dB
Dropout Voltage	V _{DROP}	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, V _{ST} =5V, I _O =0,*			0.8	V
Current Dissipation at Strobe Mode	I _{CC(STON)}	"			3.0	mA
Strobe Input Current	I _{ST}	"			1.0	mA

L780S15

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	18.0 to 30.0	V	unit
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

			min	typ	max	unit
Output Voltage 1	V _{O1}		14.4	15.0	15.6	V
Line Regulation 1	ΔV _{OLN1}	17.5V ≤ V _{IN} ≤ 30V		11	300	mV
Line Regulation 2	ΔV _{OLN2}	20V ≤ V _{IN} ≤ 26V		3	150	mV
Load Regulation 1	ΔV _{OLD1}	5mA ≤ I _O ≤ 1.5A			300	mV
Load Regulation 2	ΔV _{OLD2}	250mA ≤ I _O ≤ 750mA			150	mV
Output Voltage 2	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)	ΔI _{CCLN}	17.5V ≤ V _{IN} ≤ 30V			1.0	mA
Current Dissipation Variation (Load)	ΔI _{CLD}	5mA ≤ I _O ≤ 1A			0.5	mA
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*		90		uV
Ripple Rejection	R _r	f=120Hz, 18.5V ≤ V _{IN} ≤ 28.5V	54	70		dB
Dropout Voltage	V _{DROP}	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, V _{ST} =5V, I _O =0,*			0.8	V
Current Dissipation at Strobe Mode	I _{CC(STON)}	"			3.0	mA
Strobe Input Current	I _{ST}	"			1.0	mA

L780S00 Series

L780S18

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	21.0 to 33.0	V	unit
Output Current Range	I _O	5 to 1000	mA	

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

			min	typ	max	unit
Output Voltage 1	V _{O1}	21V ≤ V _{IN} ≤ 33V	17.3	18.0	18.7	V
Line Regulation 1	ΔV _{OLN1}	24V ≤ V _{IN} ≤ 30V	15	360	mV	
Line Regulation 2	ΔV _{OLN2}	5mA ≤ I _O ≤ 1.5A	5	180	mV	
Load Regulation 1	ΔV _{OLD1}	250mA ≤ I _O ≤ 750mA		360	mV	
Load Regulation 2	ΔV _{OLD2}	5mA ≤ V _{IN} ≤ 1A		180	mV	
Output Voltage 2	V _{O2}	21V ≤ V _{IN} ≤ 33V,	17.1	18.9	V	
Current Dissipation	I _{CC}			8.0	mA	
Current Dissipation Variation (Line)	ΔI _{CLN}	21V ≤ V _{IN} ≤ 33V		1.0	mA	
Current Dissipation Variation (Load)	ΔI _{CLD}	5mA ≤ I _O ≤ 1A		0.5	mA	
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*		110	uV	
Ripple Rejection	R _r	f = 120Hz	53	69	dB	
		22V ≤ V _{IN} ≤ 32V				
Dropout Voltage	V _{DROP}	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, V _{ST} = 5V, I _O = 0,*		0.8	V	
Current Dissipation at Strobe Mode	I _{CC(STON)}	"		3.0	mA	
Strobe Input Current	I _{ST}	"		1.0	mA	

L780S20

Recommended Operating Conditions at Ta=25°C

Input Voltage Range	V _{IN}	23.0 to 35.0	V	unit
Output Current Range	I _O	5 to 1000	mA	

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

			min	typ	max	unit
Output Voltage 1	V _{O1}	23V ≤ V _{IN} ≤ 35V	19.2	20.0	20.8	V
Line Regulation 1	ΔV _{OLN1}	26V ≤ V _{IN} ≤ 32V	15	400	mV	
Line Regulation 2	ΔV _{OLN2}	5mA ≤ I _O ≤ 1A	5	200	mV	
Load Regulation 1	ΔV _{OLD1}	250mA ≤ I _O ≤ 750mA		400	mV	
Load Regulation 2	ΔV _{OLD2}	5mA ≤ V _{IN} ≤ 1A		200	mV	
Output Voltage 2	V _{O2}	24V ≤ V _{IN} ≤ 35V,	19.0	21.0	V	
Current Dissipation	I _{CC}			8.0	mA	
Current Dissipation Variation (Line)	ΔI _{CLN}	23V ≤ V _{IN} ≤ 35V		1.0	mA	
Current Dissipation Variation (Load)	ΔI _{CLD}	5mA ≤ I _O ≤ 1A		0.5	mA	
Output Noise Voltage	V _{NO}	10Hz ≤ f ≤ 100kHz*		110	uV	
Ripple Rejection	R _r	f = 120Hz	53	67	dB	
		24V ≤ V _{IN} ≤ 34V				
Dropout Voltage	V _{DROP}	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, V _{ST} = 5V, I _O = 0,*		0.8	V	
Current Dissipation at Strobe Mode	I _{CC(STON)}	"		3.0	mA	
Strobe Input Current	I _{ST}	"		1.0	mA	

L780S24

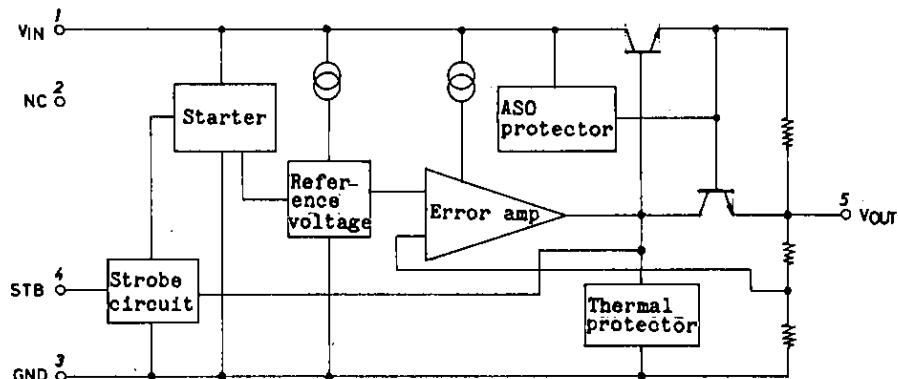
Recommended Operating Conditions at $T_a=25^\circ C$

Input Voltage Range	V_{IN}	27.0 to 35.0	V	unit
Output Current Range	I_o	5 to 1000	mA	

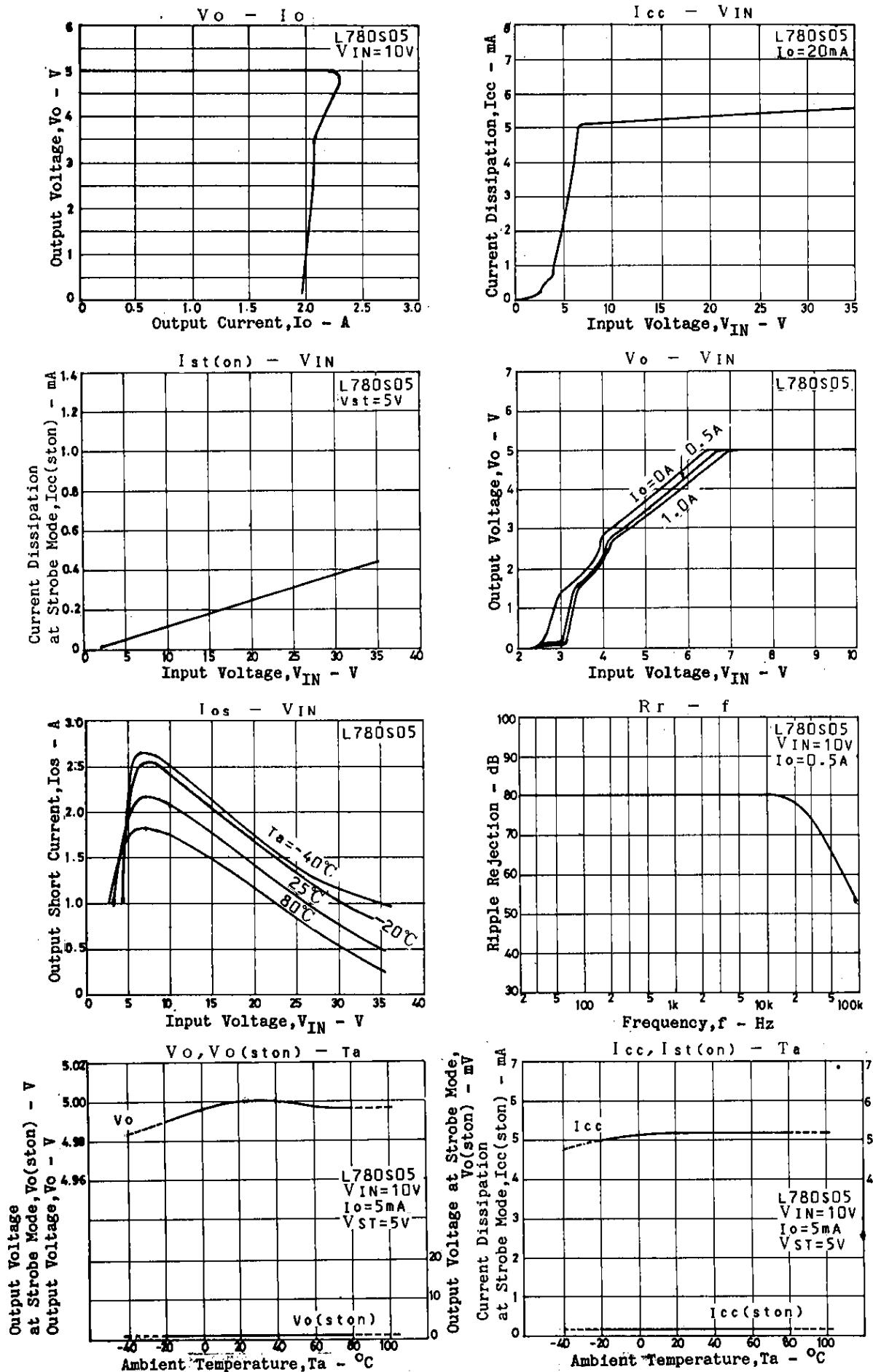
Operating Characteristics at $T_j=25^\circ C, V_{IN}=33V, I_o=500mA, V_{ST}=0V, *T_a=25^\circ C$

		min	typ	max	unit
Output Voltage 1	V_{O1}	23.0	24.0	25.0	V
Line Regulation 1	ΔV_{OLN1}	$27V \leq V_{IN} \leq 35V$	18	480	mV
Line Regulation 2	ΔV_{OLN2}	$30V \leq V_{IN} \leq 35V$	6	240	mV
Load Regulation 1	ΔV_{OLD1}	$5mA \leq I_o \leq 1.5A$		480	mV
Load Regulation 2	ΔV_{OLD2}	$250mA \leq I_o \leq 750mA$		240	mV
Output Voltage 2	V_{O2}	$27V \leq V_{IN} \leq 35V, 5mA \leq V_{IN} \leq 1A$	22.8	25.2	V
Current Dissipation	I_{CC}			8.0	mA
Current Dissipation Variation (Line)	ΔI_{CCLN}	$27V \leq V_{IN} \leq 35V$		1.0	mA
Current Dissipation Variation (Load)	$\Delta ICCLD$	$5mA \leq I_o \leq 1A$		0.5	mA
Output Noise Voltage	V_{NO}	$10Hz \leq f \leq 100kHz$	180		uV
Ripple Rejection	R_r	$f = 120Hz, 28V \leq V_{IN} \leq 34V$	50	66	dB
Dropout Voltage	V_{DROP}	$I_o = 1A$		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	$V_o(ston)$	$V_{IN} = 35V, V_{ST} = 5V, I_o = 0, *$		0.8	V
Current Dissipation at Strobe Mode	$I_{CC(ston)}$	"		3.0	mA
Strobe Input Current	I_{ST}	"		1.0	mA

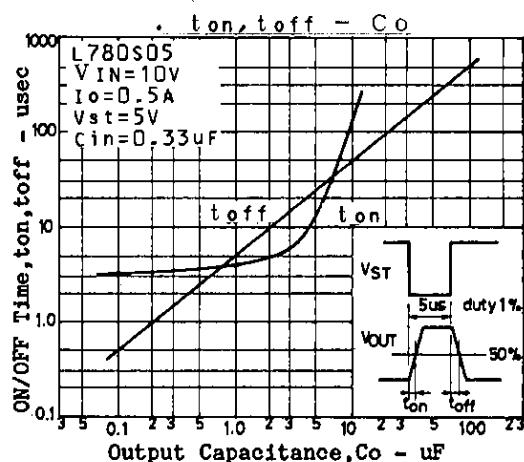
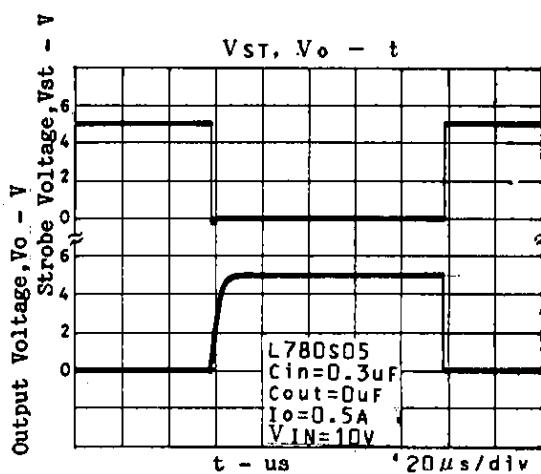
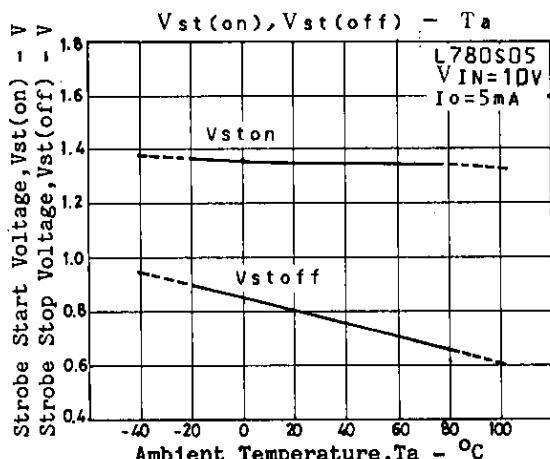
Equivalent Circuit Block Diagram



L780S00 Series



L780S00 Series



- No products described or contained herein are intended for use in surgical implants, life-support systems, aerospace equipment, nuclear power control systems, vehicles, disaster/crime-prevention equipment and the like, the failure of which may directly or indirectly cause injury, death or property loss.
- Anyone purchasing any products described or contained herein for an above-mentioned use shall:
 - ① Accept full responsibility and indemnify and defend SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors and all their officers and employees, jointly and severally, against any and all claims and litigation and all damages, cost and expenses associated with such use;
 - ② Not impose any responsibility for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.
- Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. SANYO believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.