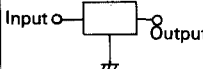
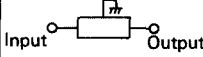


X. Power Supply Section

Power Supply ICs

Three-Terminal Regulators

Type No.	Function	Package	Characteristics		Use
			I_{OUT} (A)	V_{OUT} (V)	
TA78XXAP	Positive power supply 	TO-220AB	1	5, 6, 8, 9, 10, 12, 15, 18, 20, 24	General purpose
TA78XS		TO-220IS	1	5, 5.7, 6, 8, 9, 10, 12, 15, 18, 20, 24	
TA78MXP		TO-220AB	0.5	5, 6, 8, 9, 10, 12, 15, 18, 20, 24	
TA78LXXAP		TO-92MOD	0.15	5, 6, 7, 7.5, 8, 9, 10, 12, 13.2, 15, 18, 20, 24	
TA78LXF		SOT-89	0.15	5, 6, 8, 9, 10, 12, 15, 18, 20, 24	
TA78LXS		TO-92	0.1	5, 7, 8, 9, 10, 12, 15	
TA78DLXP		TO-220AB	0.25	5, 6, 8, 9, 10, 12, 15	Low dropout
TA78DLS		TO-220IS	0.25	5, 6, 8, 9, 10, 12, 15	
TA78DSXP		TO-92MOD	0.03	5, 10	
TA78DSXBP		TO-92MOD	0.03	5, 6, 8, 9, 10, 12, 15	
TA79XXP	Negative power supply 	TO-220AB	-1	-5, -6, -8, -9, -10, -12, -15, -18, -20, -24	General purpose
TA79XS		TO-220IS	-1	-5, -6, -8, -9, -10, -12, -15, -18, -20, -24	
TA79LXXP		TO-92MOD	-0.15	-5, -6, -8, -9, -10, -12, -15, -18, -20, -24	

(Note): XX and XXX indicate output voltage.

Other Regulators

Type No.	Function	Package	Characteristics	
TA7089P	Variable regulator	DIP14	$V_{OUT} = 3.3V \sim 33V$	$I_{OUT} = 0.2A$
TA7900S	With regulator watchdog timer, 5V	SIP9	$V_{IN MAX} = 40V$	$I_{OUT} = 330mA$
TA8000S		SIP9	$V_{IN MAX} = 80V$	$I_{OUT} = 300mA$
TA8001S	With regulator reset timer, 6V	SIP7	$V_{IN MAX} = 30V$	$I_{OUT} = 10mA$
TA8002S		SIP7	$V_{IN MAX} = 40V$	$I_{OUT} = 20mA$
TA7643IS	Shunt regulator	TO-92MOD	$V_{K MAX} = 37V$	$I_{K MAX} = 150mA$

Photocouplers

Fluctuation error amplification feedback	External ON/OFF control	Overshooting protection	Soft start trigger (AC input ON/OFF)
TLP621 TLP732 TLP580	TLP621 TLP732 TLP580	TLP641G/J TLP741G/J	TLP641G/J TLP741G/J

Photocoupler Equipped Power Supply: Block Diagram

