

T-52-13-25

T-58-11-13

■ Hybrid Voltage Regulators (Linear Type)

Type No.	Maximum Ratings (Ta=25°C)					Electrical Characteristics (Ta=25°C)						Fig. No.	Remarks					
	V _{IN} (V)	I _{out} (A)	P _c (W)	T _{op} (°C)	T _{stg} (°C)	V _{out} (V)	V _{oIF} (V)	ΔV _o /ΔT (mV/°C)	Line Reg. (mV)	Load Reg. (mV)	Ripple Rej. (dB)							
STR90050	25	2	50	-20~+100 (T _c)	-30~+125	5±0.1	1.0	±0.5	10	40	54	5						
90090						9±0.1		±1.0	15	60								
90120						30								12±0.2	±1.5	20	80	
90150	15±0.2																	

Type No.	Maximum Ratings (Ta=25°C)					Electrical Characteristics (Ta=25°C)						Fig. No.	Remarks
	V _{IN} (V)	I _{out} (A)	P _d (W)	T _{op} (°C)	T _{stg} (°C)	V _{out} (V)	V _{oIF} (V)	ΔVo/ΔT (mV/°C)	Line Reg. (mV)	Load Reg. (mV)	Ripple Rej. (dB)		
SI-3052V	15	2.0	50	-20~+100 (T _c)	-30~+125	5±0.1	1.0	±0.5	10	40	54	6	
-3122V	25					12±0.2		±1.5	20	80			
-3152V						15±0.2							
STR9005	15	4.0	75	-20~+100 (T _c)	-30~+125	5±0.1	1.0	±0.5	10	40	54	1	
9012	25					12±0.2		±1.5	30	80			
9015						15±0.2			50	100			
SI-3052P	30	2.0	50	-20~+80	-30~+125	5±0.1	3.0	±0.5	2	40	60	6	
-3122P	35					12±0.2		±1.5	10	80			
-3152P	40					15±0.2							
-3242P						24±0.2		±2.5	25	120			

■ Hybrid Voltage Regulators (Chopper Type)

Type No.	Maximum Ratings (T _a =25°C)					Electrical Characteristics (T _a =25°C)						Fig. No.	Remarks
	V _{IN} (V)	I _{out} (A)	P _d (W)	Top (°C)	Tstg (°C)	V _{out} (V)	V _{IN} (V)	ΔVo/ΔT (mV/°C)	Line Reg. (mV)	Load Reg. (mV)	Ripple Rej. (dB)		
STR2005	45	2.0	75	-20~+100	-20~-+125	5.1±0.1	11~40	—	50	100	45	1	
2012						12±0.2	18~45						
2013						13±0.2	19~45						
2015						15±0.2	21~45						
2024	50					24±0.3	30~50		80				

■ Hybrid Stepping Motor Drivers

Type No.	Maximum Ratings (T _A =25°C)					Electrical Characteristics (T _A =25°C)					Fig. No.	Remarks
	Vcc (V) (surge)	I _L (A)	T _j (°C)	T _{op} (°C)	T _{stg} (°C)	Vcc(V)			I _o (A)	I _{in} (mA)		
						min	typ	max				
SI-7200E	70	1.2	125	-20~+80	-30~+100	20	30	50	1.0	1.6	7	Bipolar drive
SI-7230E		3.0							2.5			
SI-7115B	40	1.7	125	-20~+80	-30~+100	20	24	30	1.5	5	8	Unipolar drive
SI-7300A	48	1.7	125	-20~+80	-30~+100	15	30	42	1.5	45	9	Unipolar drive
SI-7330A	42	3.2	125	-20~+80	-30~+100	15	30	35	3.0	45	10	Unipolar drive
SI-7500A	40	1.2	125	-20~+80	-30~+100	17	24	30	1.0	0.21	10	Unipolar drive
SI-7200M	50	1.2	125	-20~+80	-30~+100	15	30	40	1.0	1.6	9	Bipolar drive
SI-7230M	70	3.2	125	-20~+80	-30~+100	15(V _{CC1}) 4.5(V _{CC2})	30(V _{CC1}) 5(V _{CC2})	45(V _{CC1}) 5.5(V _{CC2})	0.2~3(I _o) 0.58(I _{om})	1.6	10	Bipolar drive

Type No.	Maximum Ratings (Ta=25°C)							Electrical Characteristics (Ta=25°C)			
	Power Stage Vcc(V)	MOS-FET Vdss(V)	Control Stage Vs(V)	TTL Vin(V)	VREF (V)	Io (A)	Tstg (°C)	DC Characteristics			
								Control Stage Is(mA)	Control Stage Vs(V)		
								typ	min	typ	max
SLA7020M	46	100	32	7	2	1.5	-40~+150°C	10	10	19	30

Fig 8

Technical drawing of a pin assembly. The drawing includes a side view and a top view. The side view shows a component with a central hole of diameter 39.0 ± 0.5 , a top flange with thickness 9.0 ± 0.6 , and a base with thickness 0.5 . The top view shows a cylindrical component with a total length of 71.7 ± 0.5 and a central section of 60.3 ± 0.4 . A pin diameter of $\phi 3.4$ is indicated. A bottom view shows a series of pins with a pitch $P = 2.54$ and a total length of 43.2 . The drawing is labeled "Pin No.1" and "Al plate".

Fig 9

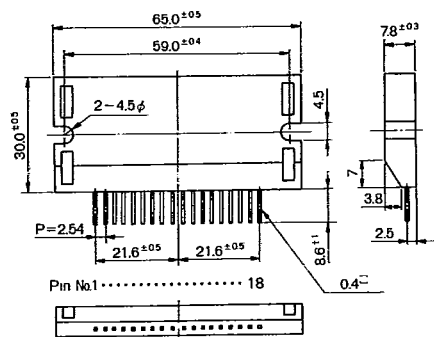


Fig 10

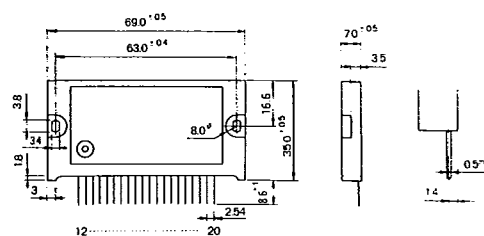
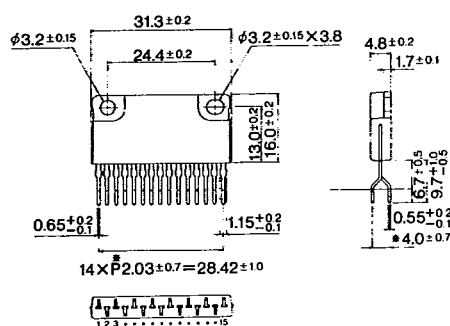
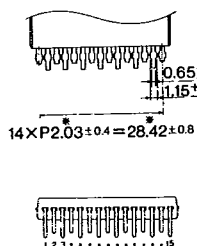


Fig 11 SLA 7020M

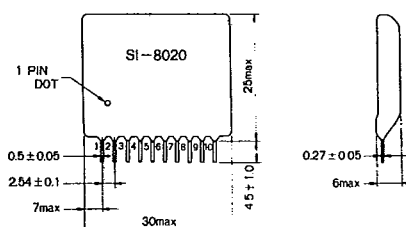


Forming No.853



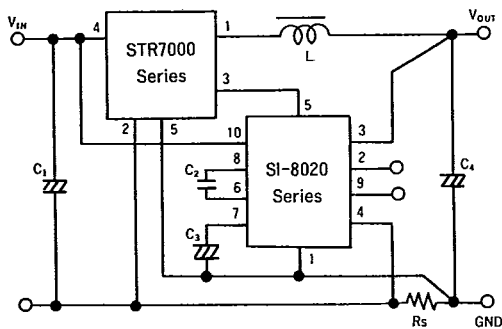
Forming No.855

Fig 12

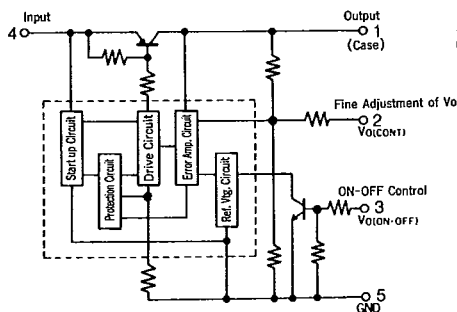


● Circuit Diagrams

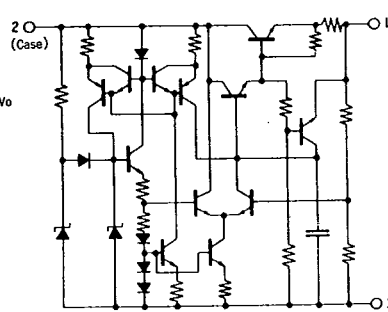
STR7000/SI-8020 Series



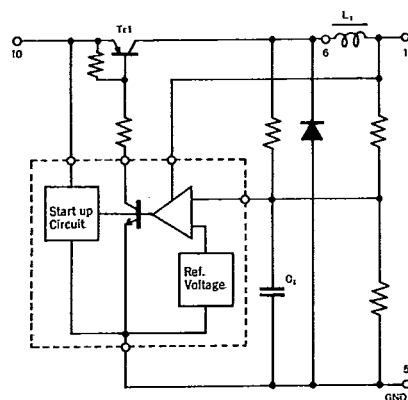
STR9000 Series



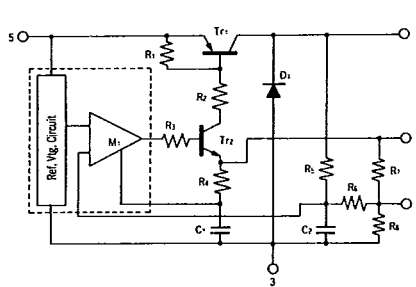
SI-3000P Series



SI-8201L



STR2000 Series



SI-7200E

