



SANKEN ELECTRIC COMPANY, LTD.

5. Absolute Maximum Ratings

Description	Symbol	Unit	Ratings
Maximum Peak Input Voltage	V_{IN}	V	900
Input Current	I_{IN}	A	6 (Pulse 12)
Maximum Power Dissipation	P_D	W	27 ($T_c=100^{\circ}\text{C}$) *
Operating Temperature	T_{op}	$^{\circ}\text{C}$	-20-+125 (T_c)
Storage Temperature	T_{stg}	$^{\circ}\text{C}$	-30-+125
Power Transistor Junction Temperature	T_j	$^{\circ}\text{C}$	+150

* Recommendation Case Temperature $T_{op}(T_c)=100^{\circ}\text{C}$ Max

Suggested Silicone Grease

C746: SHIN-ETSU CHEMICAL INDUSTRY CO., LTD.
C747: SHIN-ETSU CHEMICAL INDUSTRY CO., LTD.
YG6260: TOSHIBA SILICONE CO., LTD.
SC102: TORAY SILICONE CO., LTD.



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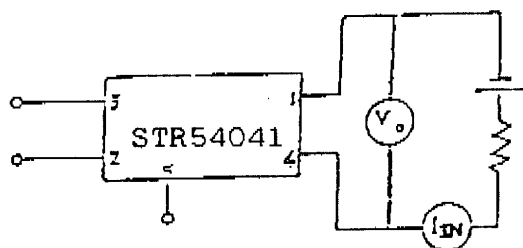
6. Electrical Characteristics 1

Description		Conditions	Ratings
Fixed Output Voltage (Detecting Voltage)		$I_{IN}=7\text{mA}$, Measurement Circuit 1	$41.8\pm0.5\text{V}$
Output Voltage Temperature Coefficient		$T_C=-20\text{--}+100^\circ\text{C}$, $I_{IN}=7\text{mA}$ Measurement Circuit 1	$\pm2.0\text{mV}/^\circ\text{C}$
Power Transistor Characteristics	$V_{CE}(\text{sat})$	$I_C=2\text{A}$, $I_B=0.4\text{A}$	1.0V Max
	h_{FE}	$V_{CE}=4\text{V}$, $I_C=1\text{A}$	Min 10 Max 30
	I_{CEX}	$V_{CE}=900\text{V}$, $V_{BE}=-1.5\text{V}$	1.0mA Max
	$V_{BE}(\text{sat})$	$I_C=2\text{A}$, $I_B=0.4\text{A}$	1.5V Max
	$R_{\theta j-c}$	Between Junction and Stem Upper Surface	$1.8^\circ\text{C}/\text{W}$
	Switching Time	Measurement Circuit 2	t_s 7 μsec Max
			t_f 1.0 μsec Max

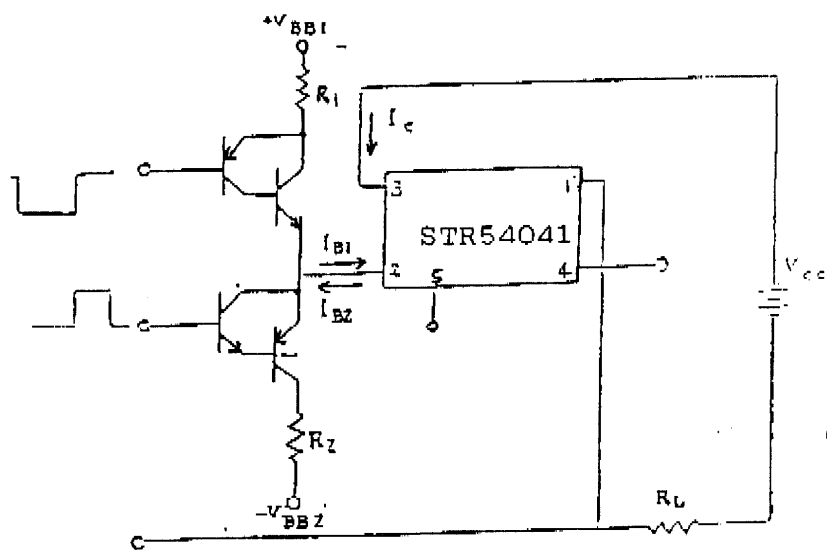


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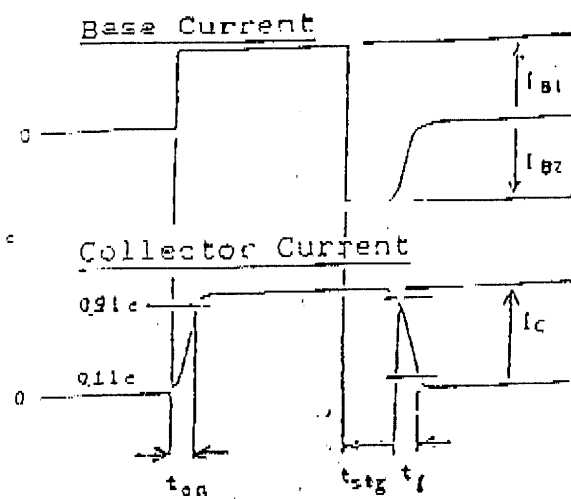
Measurement Circuit 1.



Measurement Circuit 2



$I_C = 2A$, $R_L = 50\Omega$
 $I_{B1} = 300mA$, $I_{B2} = 1.0A$



7. Electrical Characteristics 2

Description	Conditions	Ratings
Output Voltage	$V_{IN} = 220V$, $I_O = 0.5A$ Actual Working Circuit 1.	$114.5 \pm 1.5V$
Line Regulation	$V_{IN} = 180 \sim 280V$, $I_O = 0.5A$ Actual Working Circuit 1	Initial Value $\pm 1V$
Load Regulation	$V_{IN} = 220V$, $I_O = 0.3A \sim 0.5A$ Actual Working Circuit 1.	Initial Value $\pm 2V$



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Actual Working Circuit 1.
(Reference Circuit Diagram)

