

L5630

3000A

Monolithic IC

©41E

Electronic Tuner Voltage Regulator

Features

- Small temperature coefficient of regulated voltage.
- Small dynamic resistance

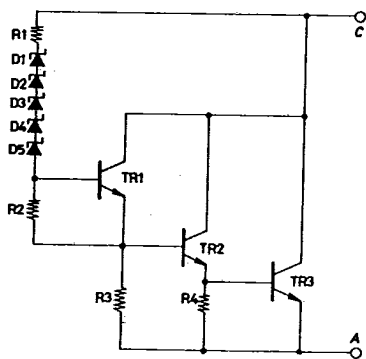
Maximum Ratings / $T_a=25^\circ\text{C}$

Supply Current	I_Z	10	mA	
Allowable Power Dissipation	P_{dmax}	$T_a \leq 75^\circ\text{C}$	200	mW
Operating Temperature	T_{opg}	-20 to +75	$^\circ\text{C}$	
Storage Temperature	T_{stg}	-40 to +125	$^\circ\text{C}$	

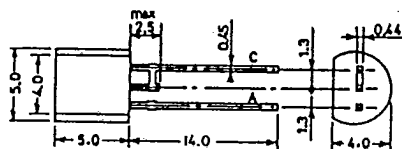
Operating Characteristics/ $T_a=25^\circ\text{C}$

			min	typ	max	unit
Regulated Voltage	V_Z	$I_Z=5\text{mA}$	31		35	V
Temperature Coefficient of Regulated Voltage	$\Delta V_Z/\Delta T$	$I_Z=5\text{mA}, T_a=-20\text{--}+75^\circ\text{C}$	-1		+1	mV/ $^\circ\text{C}$
Dynamic Resistance	r_Z	$I_Z=5\text{mA}, f=1\text{kHz}, i=0.5\text{mA}$			25	ohm

Equivalent Circuit



Case Outline 3000A-S2TR (unit:mm)



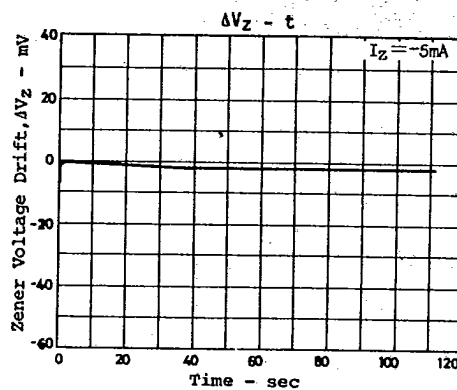
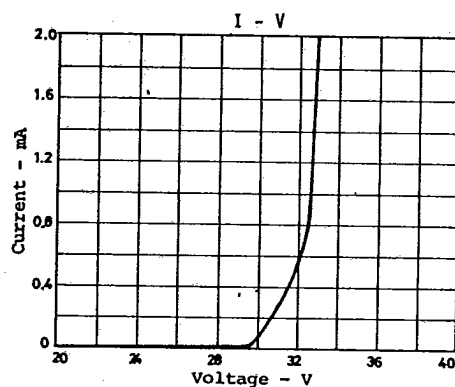
C: Cathode
A: Anode
SANYO: NPC1

8217KI/6115KI/3204KI/7213KI, TS No.441-1/2

615

L5630

T-58-11-23



616