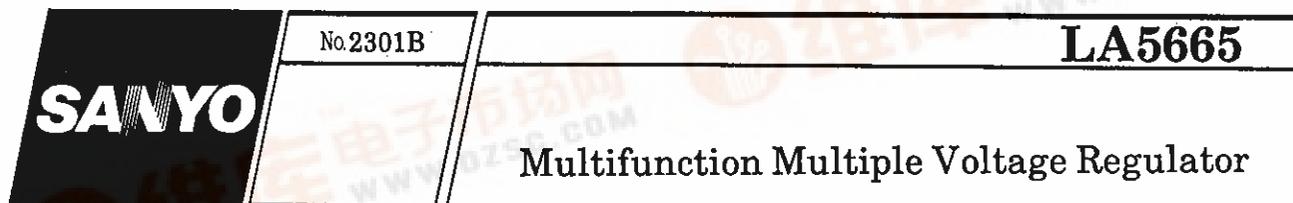


Monolithic Linear IC

**Use**

- Especially suited for use in micorcomputer-controlled tuners, receivers, preamp and the like

**Functions and Features**

- Two independent voltage regulators contained in a single chip (15.5V/350mA, 5.6V/100mA)
- Reset circuit which delivers the reset signal on the positive transition, negative transition of the 5.6V output
- Muting circuit which detects the 15.5V output and reset output to deliver the muting signal  
(We have the LA5666 whose detection function for reset, muting is provided on the input voltage side.)

**Maximum Ratings at Ta=25°C**

			unit
Input Voltage	$V_{IN1,2}$	35	V
Output Current	$I_{OUT1,2}$ Internal		
Allowable Power Dissipation	$P_{dmax}$ IC only	1.6	W
Operating Temperature	$T_{opr}$	-30 to +80	°C
Storage Temperature	$T_{stg}$	-40 to +125	°C

**Operating Conditions at Ta=25°C**

			unit
Input Voltage	$V_{IN1}$	$I_{OUT1}=200mA$	19 to 35
	$V_{IN2}$	$I_{OUT2}=50mA$	8.7 to 35

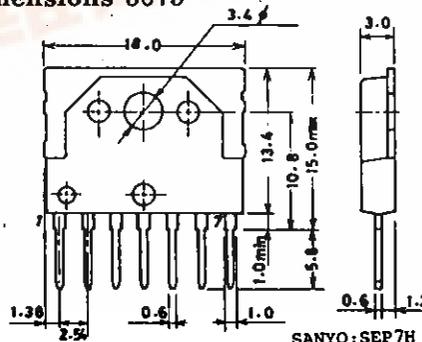
**Operating Characteristics at Ta=25°C,  $V_{IN1}=20V, V_{IN2}=10V$** 

		min	typ	max	unit
Quiescent Current	$I_{IN1}$	1.8	2.8	3.8	mA
	$I_{IN2}$	3.8	5.8	7.8	mA
Output Voltage	$V_{o1}$	14.5	15.5	16.5	V
	$V_{o2}$	5.1	5.6	6.2	V
Line Regulation	$V_{o11}$		6	20	mV
	$V_{o12}$		2	20	mV
Load Regulation	$V_{old1}$		10	30	mV
	$V_{old2}$		2	20	mV
Ripple Rejection	$Rr1$	56	65		dB
	$Rr2$	60	75		dB

Continued on next page.

**Package Dimensions 3075**

(unit: mm)

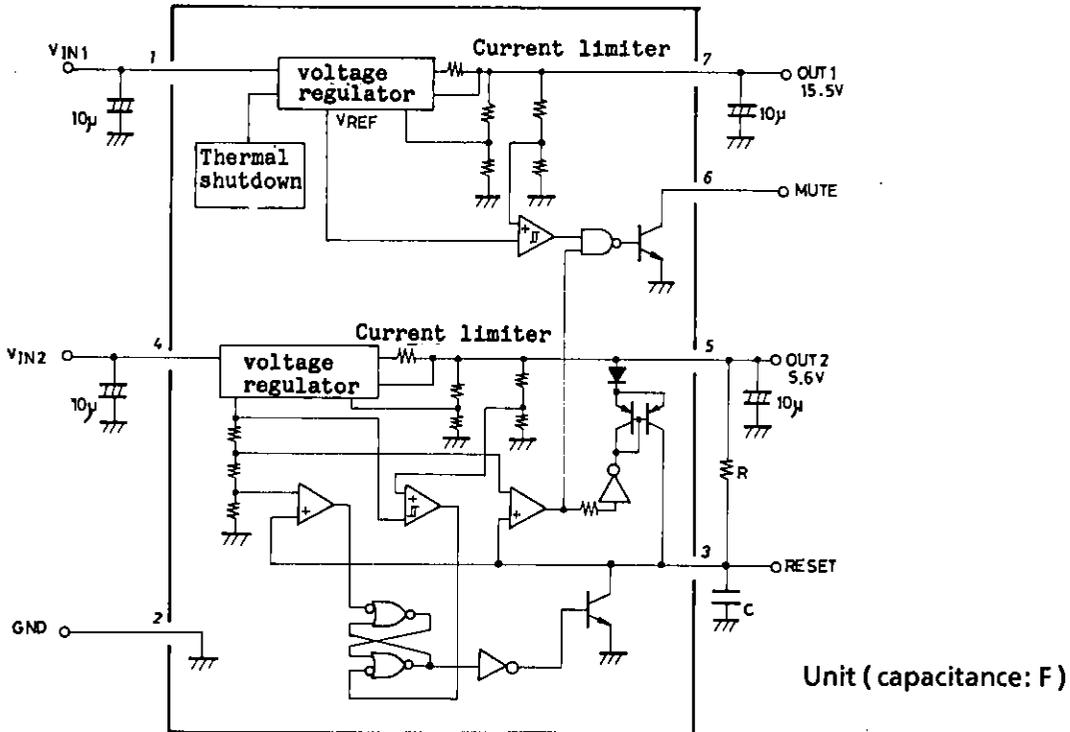


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			min	typ	max	unit
Input-Output Voltage Drop	V <sub>dr1</sub>	I <sub>o</sub> =200mA		1.6	2.5	V
	V <sub>dr2</sub>	I <sub>o</sub> =50mA		1.5	2.5	V
Reset Detect Voltage	V <sub>R</sub>	(Note 1)	4.9	5.1	5.5	V
Timer Compare Voltage	V <sub>C1</sub>		1.0	1.2	1.4	V
	V <sub>C2</sub>		0.06	0.13	0.18	V
Timer Input Bias Current	I <sub>TB</sub>				250	nA
Muting Detect Voltage	V <sub>M</sub>	(Note 2)	13.5	14.5	15.5	V
Muting Output Voltage	V <sub>OMUTE</sub>	I <sub>OMUTE</sub> =5mA		0.1	0.15	V

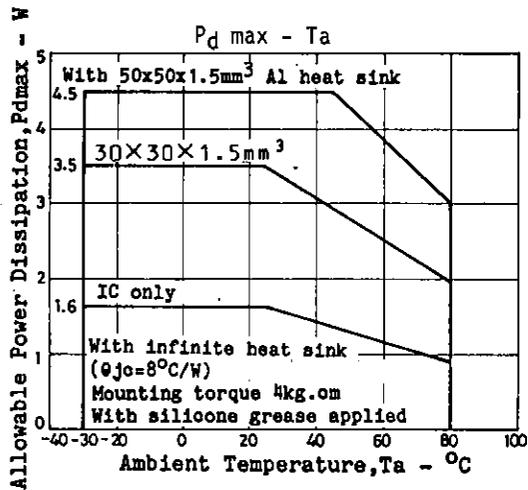
Note 1: V<sub>R</sub> is the voltage of V<sub>O2</sub> at the time reset is turned OFF.  
 Note 2: V<sub>M</sub> is the voltage of V<sub>O1</sub> at the time muting is turned OFF.

**Equivalent Circuit Block Diagram, Pin Assignment, and Peripheral Circuit**

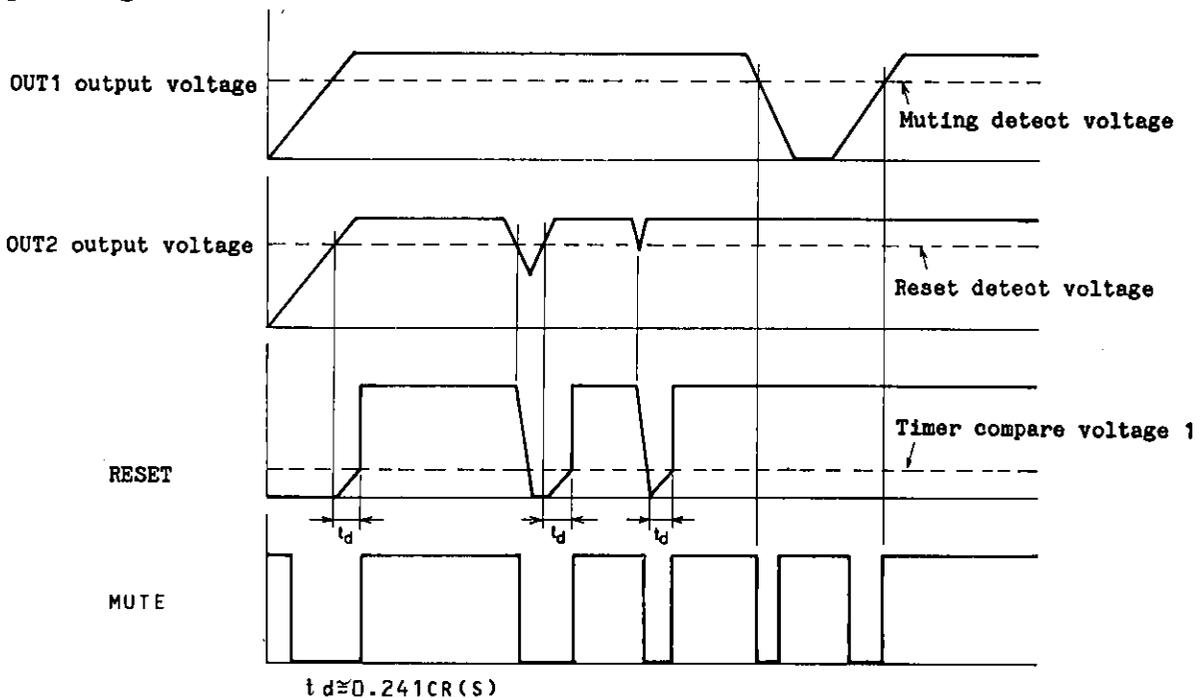


(Note) The reset delay time is set by R, C.

Pin No.	Name	Description
1	V <sub>IN1</sub>	Input pin for 15.5V output line
2	GND	Ground
3	RESET	Reset delay time and output pin
4	V <sub>IN2</sub>	Input pin for 5.6V output line
5	OUT2	5.6V output pin
6	MUTE	Muting signal output pin
7	OUT1	15.5V output pin



### Operating Waveforms



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