



No.1305

STK5322

Thick Film Hybrid Integrated Circuit
 2-OUTPUT SERIES REGULATOR
 FOR VTR APPLICATIONS

Features

1. 2-output/1-package voltage regulator fabricated using Sanyo's original IMST (Insulated Metal Substrate Technology).
2. Provides cutoff function to cut off output voltage according to external signal.
3. Output voltages of 2 outputs are set.
4. Small size and excellent cost performance.

Maximum Ratings at Ta=25°C

		[Output 1]	[Output 2]	unit
Maximum Output Current	I _{omax}	1.6	2.5	A
Maximum DC Input Voltage	v _{in(dc)} max		30	V
Thermal Resistance	θ _{jc}		2.8	°C/W
Operating Case Temperature	T _c		105	°C
Storage Temperature	T _{stg}	-30 to +15		°C
Junction Temperature	T _{jmax}		150	°C

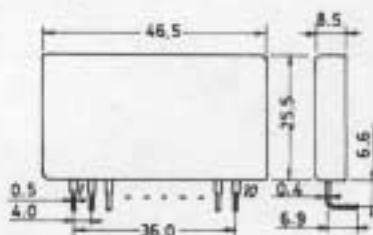
Operating Characteristics at Ta=25°C, at specified test circuit

		min	typ	max	unit
Output Voltage Setting	$v_{in(dc)}=V_B=$ 20.0V, Output1:1.1A Output2:0.8A	Output1: 9.4	9.5	9.6	V
Ripple Rejection		Output2: 14.7	15.0	15.3	V
Output Cutoff Characteristic		Output1:		0.3	%
Temperature Coefficient		Output2:		3.0	%
Output Residual Voltage at Cutoff Mode				at test circuit.	
Input Regulation	*1			0.02	%/°C
Output Regulation	*2			0.1	V
Minimum Input-Output Voltage Difference	V _B =20.0V, Output 1.0A	1.5			V

*1: v_{in(dc)}=V_B=18.0 to 25.0V, Output1:1.1A, Output2:0.8A

*2: v_{in(dc)}=V_B=20.0V, Output1:0 to 1.1A, Output2:0 to 2.0A

Case Outline 4039
 (unit:mm)

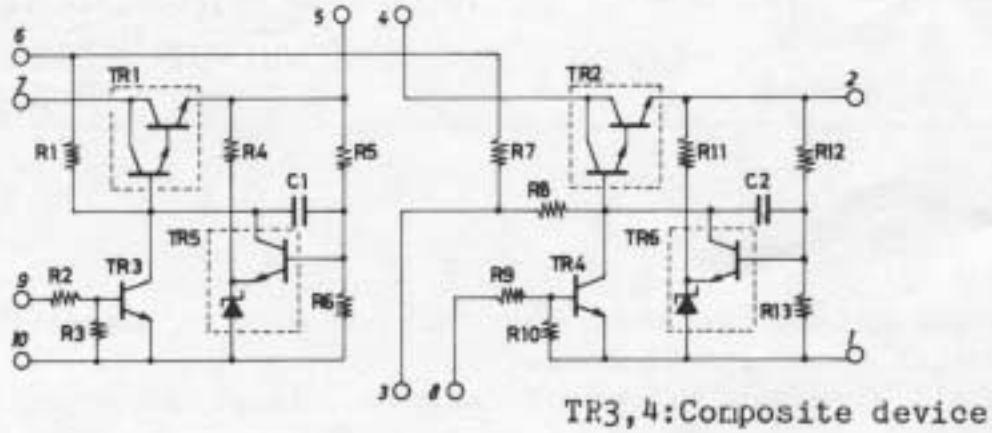


Information furnished by SANYO is believed to be accurate and reliable. However, no responsibility is assumed by SANYO for its use; nor for any infringements of patents or other rights of third parties which may result from its use, and no license is granted by implication or otherwise under any patent or patent rights of SANYO.

These specifications are subject to change without notice.

TOKYO SANYO ELECTRIC CO., LTD. SEMICONDUCTOR DIVISION
 15-13, 6-CHOME, SOTOKANDA, CHIYODA-KU, TOKYO 100 JAPAN

Equivalent Circuit



Test Circuit

