



No.1305

STK5322

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

Features

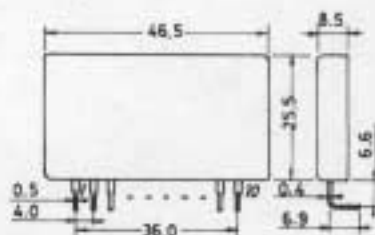
1. 2-output/1-package voltage regulator fabricated using Sanyo's original IMST (Insulated Metal Substrate Technology).
2. Provides cutoff function to cut off output voltage according to external signal.
3. Output voltages of 2 outputs are set.
4. Small size and excellent cost performance.

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)

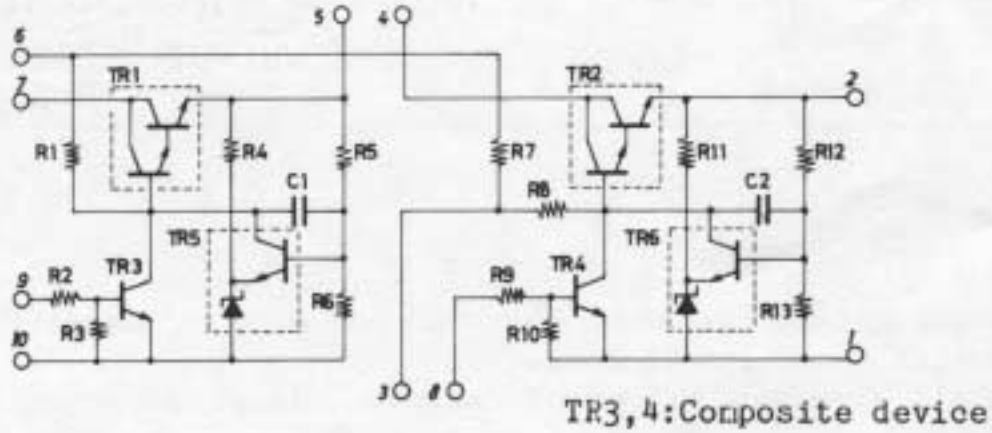
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Equivalent Circuit



Test Circuit

