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

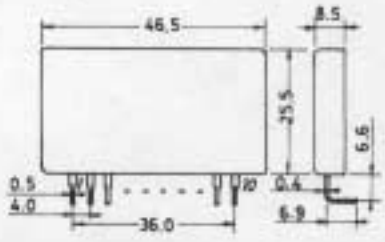
		[Output 1]	[Output 2]	unit
Maximum Output Current	Iomax	1.6	2.5	A
Maximum DC Input Voltage	vin(dc)max	30		V
Thermal Resistance	θjc	2.8		°C/W
Operating Case Temperature	Tc	105		°C
Storage Temperature	Tstg	-30 to +15		°C
Junction Temperature	Tjmax	150		°C

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

			min	typ	max	unit
Output Voltage Setting	vin(dc)=V_B=20.0V, Output1:1.1A, Output2:0.8A	Output1:	9.4	9.5	9.6	V
		Output2:	14.7	15.0	15.3	V
Ripple Rejection		Output1:			0.3	%
		Output2:			3.0	%
Output Cutoff Characteristic				at test circuit.		
Temperature Coefficient					0.02	%/°C
Output Residual Voltage at Cutoff Mode					0.1	V
Input Regulation	*1				35	mV/V
Output Regulation	*2				35	mV/A
Minimum Input-Output Voltage Difference	V_B=20.0V, Output 1.0A			1.5		V

*1: vin(dc)=V_B=18.0 to 25.0V, Output1:1.1A, Output2:0.8A
*2: vin(dc)=V_B=20.0V, Output1:0 to 1.1A, Output2:0 to 2.0A

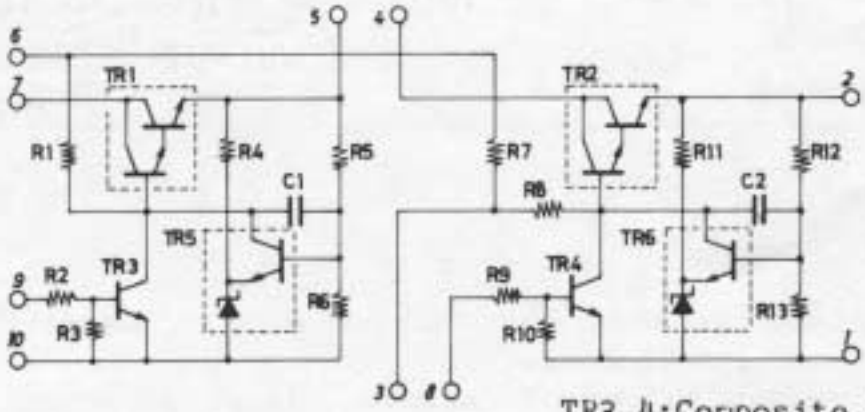
Case Outline 4039
(unit:mm)



These specifications are subject to change without notice.

TOKYO SANYO ELECTRIC CO. LTD. SEMICONDUCTOR DIVISION
15-13 6-CHOME SOTOKANDA CHIYODA-KU TOKYO 101 JAPAN

Equivalent Circuit



TR3,4:Composite device

Test Circuit