ELECTRONICS, INC.
44 FARRAND STREET
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NTE7024
Integrated Circuit
Module, 2 Output Positive Voltage Regulator for VCR

Features:
- 2 Outputs
- Output Voltage Select Function

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Maximum DC Input Voltage, V_{IN} (DC) Max 30V
Maximum Average Output Current, I_O Max
V_O1 . . . . . 1.0A
V_O2 . . . . . 2.0A
Operating Case Temperature, T_C Max . . . . . +105°C
Junction Temperature, T_J Max . . . . . +150°C
Storage Temperature Range, T_{stg} . . . . . –30° to +105°C
Thermal Resistance, Junction–to–Case, R_{thJC} . . . . . 4.5°C/W

Electrical Characteristics: (T_A = +25°C unless otherwise specified)

Parameter	Test Conditions	Min	Typ	Max	Unit
Output Voltage Setting V_O1 V_O2	V_{IN} (DC) = V_B = 18V, I_O1 = 0.2A, I_O2 = 0.4A	 9.7 11.6	 9.8 11.7	 9.9 11.8	V
Output Cutoff Residual Voltage		–	–	0.1	V
Ripple Compression Ratio		–	–	0.3	%
Temperature Coefficient		–	–	0.02	%/°C
Load Regulation		–	–	35	mV/A
Input Regulation	Condition 1	–	–	35	mV/V
	Condition 2	–	–	35	
Minimum Input–Output Voltage Difference	V_B = 18V, I_O1 = 1A	1.5	–	–	V

Test Conditions:

Condition 1: V_{IN} (DC) = V_B = 15V to 22V, I_O1 = 0.2A, I_O2 = 0.4A
Condition 2: V_{IN} (DC) = V_B = 18V, I_O1 = 0 to 1A, I_O2 = 0 to 1A

Pin Connection Diagram
(Front View)