ELECTRONICS, INC.
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NTE7026
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 . . . . . 0.5A
V_O2 . . . . . 1.0A
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}
V_O1 . . . . . 10°C/W
V_O2 . . . . . 4.5°C/W

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

Parameter	Test Conditions	V_O1	V_O2	Unit
Output Voltage Setting	Condition 1	5.1±0.1	12.0±0.1	V
Temperature Coefficient	Condition 1	0.02	0.02	%/°C Max
Input Regulation	Condition 2	5	35	mV/V Max
Load Regulation	Condition 3	35	35	mV/A Max
Minimum Input–Output Voltage Difference	Condition 4	–	1.2	V Max

Test Conditions:

Condition 1: V_{IN} (DC) = 14V to 22V, I_O1 = 0.5A, I_O2 = 0.5A, I_b = 2mA
Condition 2: V_{IN} (DC) = 12V to 18V, I_O1 = I_O2 = 0.5A
Condition 3: V_{IN} (DC) = 14V, I_O = 0 to 0.5A
Condition 4: I_O1 = 0.5A, I_O2 = 5A, I_b = 2mA

Pin Connection Diagram
(Front View)