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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: ($T_A = +25^\circ\text{C}$ 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	$+105^\circ\text{C}$
Junction Temperature, T_J Max	$+150^\circ\text{C}$
Storage Temperature Range, T_{stg}	-30° to $+105^\circ\text{C}$
Thermal Resistance, Junction-to-Case, R_{thJC}	
V_{O1}	10°C/W
V_{O2}	4.5°C/W

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ 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, $I_{O1} = 0.5\text{A}$, $I_{O2} = 0.5\text{A}$, $I_b = 2\text{mA}$

Condition 2: V_{IN} (DC) = 12V to 18V, $I_{O1} = I_{O2} = 0.5\text{A}$

Condition 3: V_{IN} (DC) = 14V, $I_O = 0$ to 0.5A

Condition 4: $I_{O1} = 0.5\text{A}$, $I_{O2} = 5\text{A}$, $I_b = 2\text{mA}$

Pin Connection Diagram
(Front View)

