

PRODUCT SPECIFICATION

+5 VOLT REGULATOR

2% 0°C to +70°C

TYPE NO. CJSE071

Si ☐ Ge ☐ NPN ☐ PNP ☐

CUST. DWG General Purpose

- REV.

CLASS

TO-3

DEVICE MARKING

STANDARD ☒

NOTES:

(a)

S

1) Case is V_{in}

(b)

CJSE071

2) Pin 2 is Ground

(c)

DATE CODE

3) Pin 1 is V_{out}

GROUP A AND / OR PERFORMANCE CHARACTERISTICS

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1		SUB I ($t = +25^{\circ}\text{C}$)			
2	V_O	$V_{IN} = 10\text{V}$ $I_O = 0$	4.95	5.05	V
3	V_O	$V_{IN} = 10\text{V}$ $I_O = 3.0\text{A}$	4.95	5.05	V
4	V_O	$V_{IN} = 21\text{V}$ $I_O = 0$	4.95	5.05	V
5	V_O	$V_{IN} = 21\text{V}$ $I_O = 3.0\text{A}$	4.95	5.05	V
6	I_{SC}	$V_{IN} = 21\text{V}$ $V_O = 0$		500	mA
7	I_{KNEE}	TYPICAL	4.5		A
8	IN-IOUT	$V_{IN} = 21\text{V}$ $I_O = 3.0\text{A}$		50	mA
9	RIPPLE-REJ.	$V_{IN} = 12\text{V}$, $I_O = 1.0\text{A}$, $f = 120\text{Hz}$, $V_{AC} = 4.0\text{V}_{P-P}$	55		db
10					
11		SUB II ($t = +70^{\circ}\text{C}$)			
12	V_O	$V_{IN} = 10\text{V}$ $I_O = 0$	4.90	5.10	V
13	V_O	$V_{IN} = 10\text{V}$ $I_O = 3.0\text{A}$	4.90	5.10	V
14	V_O	$V_{IN} = 21\text{V}$ $I_O = 0$	4.90	5.10	V
15	V_O	$V_{IN} = 21\text{V}$ $I_O = 3.0\text{A}$	4.90	5.10	V
16		SUB III ($t = 0^{\circ}\text{C}$)			
17	V_O	$V_{IN} = 10\text{V}$ $I_O = 0$	4.90	5.10	V
18	V_O	$V_{IN} = 10\text{V}$ $I_O = 3.0\text{A}$	4.90	5.10	V
19	V_O	$V_{IN} = 21\text{V}$ $I_O = 0$	4.90	5.10	V
20	V_O	$V_{IN} = 21\text{V}$ $I_O = 3.0\text{A}$	4.90	5.10	V

SPECIAL REQUIREMENTS