

PRODUCT SPECIFICATION

-20 VOLT REGULATOR

TYPE NO. CJSE012

2% -55°C TO +125°C

Si ☐ Ge ☐ NPN ☐ PNP ☐

CUST. GENERAL PURPOSE

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REV.

CLASS

TO-3

DEVICE MARKING

STANDARD ☒

NOTES:

(a) **S**

(b) CJSE012

(c) DATE CODE

1) CASE IS V_{IN}

2) PIN 2 IS GROUND

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	$V_{IN} = -24\text{V}$ $I_O = 0$	-19.80	-20.20	V
3	V_O	$V_{IN} = -24\text{V}$ $I_O = 3.0\text{A}$	-19.80	-20.20	V
4	V_O	$V_{IN} = -36\text{V}$ $I_O = 0$	-19.80	-20.20	V
5	V_O	$V_{IN} = -36\text{V}$ $I_O = 3.0\text{A}$	-19.80	-20.20	V
6	I_{SC}	$V_{IN} = -36\text{V}$ $V_O = 0$		500	MA
7	I_{KNEE}	TYPICAL		4.5	A
8	$I_{IN-IOUT}$	$V_{IN} = -36\text{V}$ $I_O = 3.0\text{A}$		50	MA
9	RIPPLE-REJ.	$V_{IN} = -27\text{V}$, $I_O = 1.0\text{A}$, $f = 120\text{Hz}$, $V_{AC} = 4.0\text{VP-P}$	55		db
10					
11		SUB II ($t = +125^{\circ}\text{C}$)			
12	V_O	$V_{IN} = -24\text{V}$ $I_O = 0$	-19.60	-20.40	V
13	V_O	$V_{IN} = -24\text{V}$ $I_O = 3.0\text{A}$	-19.60	-20.40	V
14	V_O	$V_{IN} = -36\text{V}$ $I_O = 0$	-19.60	-20.40	V
15	V_O	$V_{IN} = -36\text{V}$ $I_O = 3.0\text{A}$	-19.60	-20.40	V
16		SUB III ($t = -55^{\circ}\text{C}$)			
17	V_O	$V_{IN} = -24\text{V}$ $I_O = 0$	-19.60	-20.40	V
18	V_O	$V_{IN} = -24\text{V}$ $I_O = 3.0\text{A}$	-19.60	-20.40	V
19	V_O	$V_{IN} = -36\text{V}$ $I_O = 0$	-19.60	-20.40	V
20	V_O	$V_{IN} = -36\text{V}$ $I_O = 3.0\text{A}$	-19.60	-20.40	V

SPECIAL REQUIREMENTS