

-24 VOLT REGULATOR

TYPE NO. CJSE078

2% -55°C to +125°C

Si ☐ Ge ☐ NPN ☐ PNP ☐

CUST. DWG General Purpose

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REV.

CLASS

TO-3

DEVICE MARKING

STANDARD ☒

NOTES:

(a) **S**
(b) CJSE078
(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	$V_{IN} = -28\text{V}$	$I_O = 0$	-23.76	-24.24	V
3	V_{θ}	$V_{IN} = -28\text{V}$	$I_O = 5.0\text{A}$	-23.76	-24.24	V
4	V_O	$V_{IN} = -40\text{V}$	$I_O = 0$	-23.76	-24.24	V
5	V_O	$V_{IN} = -40\text{V}$	$I_O = 5.0\text{A}$	-23.76	-24.24	V
6	I_{SC}	$V_{IN} = -40\text{V}$	$V_O = 0$		500	mA
7	I_{KNEE}	TYPICAL		4.5		A
8	$I_{IN}-I_{OUT}$	$V_{IN} = -40\text{V}$	$I_O = 3.0\text{A}$		50	mA
9	RIPPLE-REJ.	$V_{IN} = -31\text{V}, I_O = 1.0\text{A}, f = 120\text{Hz}, V_{AC} = 4.0\text{V P-P}$		50		dB
10						
11		SUB II ($t = +125^{\circ}\text{C}$)				
12	V_O	$V_{IN} = -28\text{V}$	$I_O = 0$	-23.52	-24.48	V
13	V_O	$V_{IN} = -28\text{V}$	$I_O = 5.0\text{A}$	-23.52	-24.48	V
14	V_O	$V_{IN} = -40\text{V}$	$I_O = 0$	-23.52	-24.48	V
15	V_O	$V_{IN} = -40\text{V}$	$I_O = 5.0\text{A}$	-23.52	-24.48	V
16		SUB III ($t = -55^{\circ}\text{C}$)				
17	V_O	$V_{IN} = -28\text{V}$	$I_O = 0$	-23.52	-24.48	V
18	V_O	$V_{IN} = -28\text{V}$	$I_O = 5.0\text{A}$	-23.52	-24.48	V
19	V_O	$V_{IN} = -40\text{V}$	$I_O = 0$	-23.52	-24.48	V
20	V_O	$V_{IN} = -40\text{V}$	$I_O = 5.0\text{A}$	-23.52	-24.48	V

SPECIAL REQUIREMENTS