

PRODUCT SPECIFICATION

+12 Volt Regulator

TYPE NO. CJSE038

1% -55°C to +125°C

Si ☐ Ge ☐ NPN ☐ PNP ☐

CUST. General Purpose

REV.

CLASS

TO- 3

DEVICE MARKING

STANDARD ☒

NOTES:

(a) **S**

1) Case is V_{in}

(b) CJSE038

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°C)			
2	V_O	$V_{IN} = 16V$ $I_O = 0$	11.88	12.12	V
3	V_O	$V_{IN} = 16V$ $I_O = 3.0A$	11.88	12.12	V
4	V_O	$V_{IN} = 28V$ $I_O = 0$	11.88	12.12	V
5	V_O	$V_{IN} = 28V$ $I_O = 3.0A$	11.88	12.12	V
6	I_{SC}	$V_{IN} = 28V$ $V_O = 0$		500	mA
7	I_{KNEE}	TYPICAL	4.5		A
8	$I_{IN-IOUT}$	$V_{IN} = 28V$ $I_O = 3.0A$		50	mA
9	RIPPLE-REJ.	$V_{IN} = 19V$, $I_O = 1.0A$, $f = 120Hz$, $V_{AC} = 4.0VP-P$	55		db
10					
11		SUB II (t = +125°C)			
12	V_O	$V_{IN} = 16V$ $I_O = 0$	11.88	12.12	V
13	V_O	$V_{IN} = 16V$ $I_O = 3.0A$	11.88	12.12	V
14	V_O	$V_{IN} = 28V$ $I_O = 0$	11.88	12.12	V
15	V_O	$V_{IN} = 28V$ $I_O = 3.0A$	11.88	12.12	V
16		SUB III (t = -55°C)			
17	V_O	$V_{IN} = 16V$ $I_O = 0$	11.88	12.12	V
18	V_O	$V_{IN} = 16V$ $I_O = 3.0A$	11.88	12.12	V
19	V_O	$V_{IN} = 28V$ $I_O = 0$	11.88	12.12	V
20	V_O	$V_{IN} = 28V$ $I_O = 3.0A$	11.88	12.12	V

SPECIAL REQUIREMENTS