

# PRODUCT SPECIFICATION

+24 VOLT REGULATOR

TYPE NO. CJSE061

2% 0°C to +70°C

Si ☐ Ge ☐ NPN ☐ PNP ☐

CUST. DWG General Purpose

- REV.

CLASS

TO-3

DEVICE MARKING

STANDARD ☒

NOTES:

(a) ☐ S

- 1) Case is  $V_{in}$
- 2) Pin 2 is Ground
- 3) Pin 1 is  $V_{out}$

(b) CJSE061

(c) DATE CODE

## GROUP A AND / OR PERFORMANCE CHARACTERISTICS

| NO. | SYMBOL        | CONDITIONS                                                                                 | MIN.  | MAX.  | UNITS |
|-----|---------------|--------------------------------------------------------------------------------------------|-------|-------|-------|
| 1   |               | SUB I ( $t = +25^{\circ}\text{C}$ )                                                        |       |       |       |
| 2   | $V_O$         | $V_{IN} = 29\text{V}$ $I_O = 0$                                                            | 23.76 | 24.24 | V     |
| 3   | $V_O$         | $V_{IN} = 29\text{V}$ $I_O = 3.0\text{A}$                                                  | 23.76 | 24.24 | V     |
| 4   | $V_O$         | $V_{IN} = 40\text{V}$ $I_O = 0$                                                            | 23.76 | 24.24 | V     |
| 5   | $V_O$         | $V_{IN} = 40\text{V}$ $I_O = 3.0\text{A}$                                                  | 23.76 | 24.24 | V     |
| 6   | ISC           | $V_{IN} = 40\text{V}$ $V_O = 0$                                                            |       | 500   | mA    |
| 7   | IKNEE         | TYPICAL                                                                                    | 4.5   |       | A     |
| 8   | $I_{IN-IOUT}$ | $V_{IN} = 40\text{V}$ $I_O = 3.0\text{A}$                                                  |       | 50    | mA    |
| 9   | RIPPLE-REJ.   | $V_{IN} = 31\text{V}$ , $I = 1.0\text{A}$ , $f = 120\text{Hz}$ , $V_{AC} = 4.0\text{VP-P}$ | 55    |       | db    |
| 10  |               |                                                                                            |       |       |       |
| 11  |               | SUB II ( $t = +70^{\circ}\text{C}$ )                                                       |       |       |       |
| 12  | $V_O$         | $V_{IN} = 29\text{V}$ $I_O = 0$                                                            | 23.52 | 24.48 | V     |
| 13  | $V_O$         | $V_{IN} = 29\text{V}$ $I_O = 3.0\text{A}$                                                  | 23.52 | 24.48 | V     |
| 14  | $V_O$         | $V_{IN} = 40\text{V}$ $I_O = 0$                                                            | 23.52 | 24.48 | V     |
| 15  | $V_O$         | $V_{IN} = 40\text{V}$ $I_O = 3.0\text{A}$                                                  | 23.52 | 24.48 | V     |
| 16  |               | SUB III ( $t = 0^{\circ}\text{C}$ )                                                        |       |       |       |
| 17  | $V_O$         | $V_{IN} = 29\text{V}$ $I_O = 0$                                                            | 23.52 | 24.48 | V     |
| 18  | $V_O$         | $V_{IN} = 29\text{V}$ $I_O = 3.0\text{A}$                                                  | 23.52 | 24.48 | V     |
| 19  | $V_O$         | $V_{IN} = 40\text{V}$ $I_O = 0$                                                            | 23.52 | 24.48 | V     |
| 20  | $V_O$         | $V_{IN} = 40\text{V}$ $I_O = 3.0\text{A}$                                                  | 23.52 | 24.48 | V     |

## SPECIAL REQUIREMENTS