

# PRODUCT SPECIFICATION

-24 VOLT REGULATOR

TYPE NO. CJSE062

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  $V_{in}$

(b) CJSE062

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   | $V_O$            | $V_{IN} = -29\text{V}$ $I_O = 0$                                                               | -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   | $I_{SC}$         | $V_{IN} = -40\text{V}$ $V_O = 0$                                                               |        | 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.      | $V_{IN} = -31\text{V}$ , $I_O = 1.0\text{A}$ , $f = 120\text{Hz}$ , $V_{AC} = 4.0\text{V P-P}$ | 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     |

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SPECIAL REQUIREMENTS