



# PRODUCT SPECIFICATION

+20 VOLT REGULATOR

TYPE NO. CJSE063

2% 0°C to +70°C

Si

Ge

NPN

PNP

CUST. DWG General Purpose

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REV.

CLASS

TO- 3

DEVICE MARKING

STANDARD ☒

NOTES:

(a)

S

1) Case is  $V_{in}$

(b)

CJSE063

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   | $V_O$            | $V_{IN} = 25\text{V}$                                                                      | $I_O = 0$           | 19.80 | 20.20 | V     |
| 3   | $V_O$            | $V_{IN} = 25\text{V}$                                                                      | $I_O = 3.0\text{A}$ | 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   | $I_{IN}-I_{OUT}$ | $V_{IN} = 36\text{V}$                                                                      | $I_O = 3.0\text{A}$ |       | 50    | mA    |
| 9   | RIPPLE-REJ.      | $V_{IN} = 27\text{V}$ , $I = 1.0\text{A}$ , $f = 120\text{Hz}$ , $V_{AC} = 4.0\text{VP-P}$ |                     | 55    |       | db    |
| 10  |                  | SUB II ( $t = +70^{\circ}\text{C}$ )                                                       |                     |       |       |       |
| 11  | $V_O$            | $V_{IN} = 25\text{V}$                                                                      | $I_O = 0$           | 19.60 | 20.40 | V     |
| 12  | $V_O$            | $V_{IN} = 25\text{V}$                                                                      | $I_O = 3.0\text{A}$ | 19.60 | 20.40 | V     |
| 13  | $V_O$            | $V_{IN} = 36\text{V}$                                                                      | $I_O = 0$           | 19.60 | 20.40 | V     |
| 14  | $V_O$            | $V_{IN} = 36\text{V}$                                                                      | $I_O = 3.0\text{A}$ | 19.60 | 20.40 | V     |
| 15  |                  |                                                                                            |                     |       |       |       |
| 16  |                  | SUB III ( $t = 0^{\circ}\text{C}$ )                                                        |                     |       |       |       |
| 17  | $V_O$            | $V_{IN} = 25\text{V}$                                                                      | $I_O = 0$           | 19.60 | 20.40 | V     |
| 18  | $V_O$            | $V_{IN} = 25\text{V}$                                                                      | $I_O = 3.0\text{A}$ | 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