## Electrical Characteristics

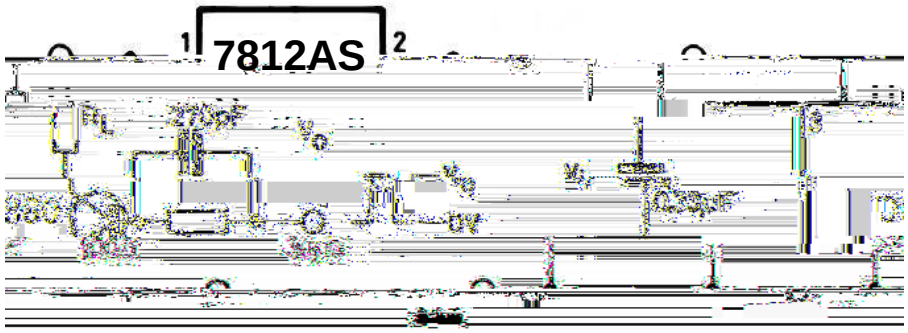
(Refer to the test circuits , $I_O$=500mA, $V_I$=19V, $C_I$ $_O$ unless otherwise specified)

| Parameter | Symbol | Conditions | Value | | | Unit |
|---|---|---|---|---|---|---|
| | | | Min | Typ | Max | |
| Output Voltage | | Tj 25°C | 11.5 | 12 | 12.5 | |
| | $V_O$ | $I_O$= 5mA 750mA<br>$V_I$ 14.5 27V | 11.4 | 12 | 12.6 | V |
| Line Regulation(Note) | $\Delta V_O$ | Tj 25 | | | | |

## Test Circuits




**DC Parameter**

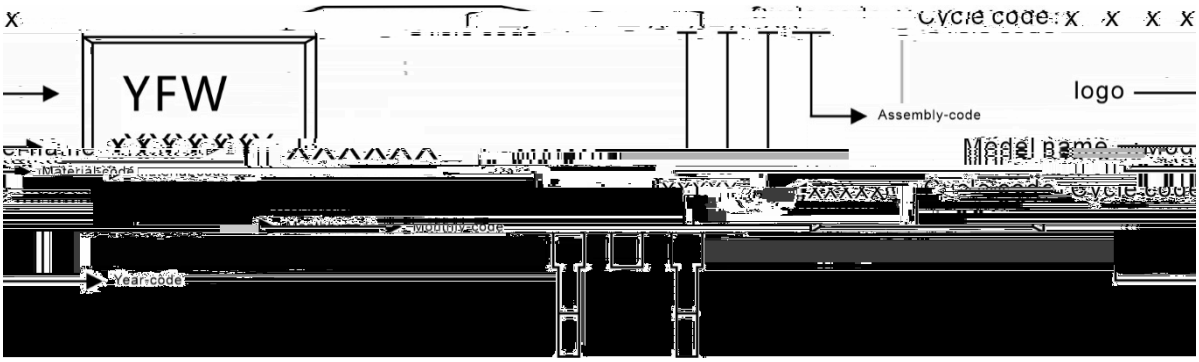



**Load Regulation**



**Ripple Rejection**

## Marking Diagram

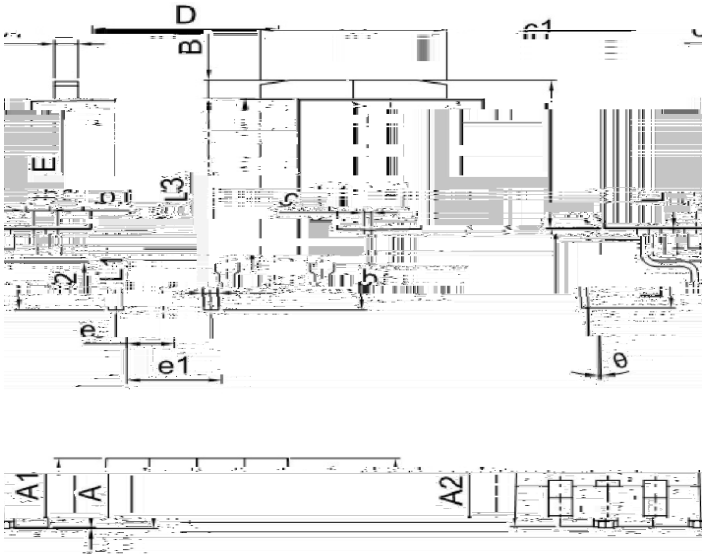



## Ordering information

| Model name | Package | Unit Weight | Base Quantity | Packing Quantity |
|---|---|---|---|---|
| 7812AS | TO-263 | 0.04oz(1.16g) | 800pcs/reel | 1600pcs/box 8000pcs/Carton |

## Package Dimensions

**TO-263**




| Dim | Millimeter | | Inches | |
|---|---|---|---|---|
| | Min. | Max. | Min. | Max. |
| A | 4.30 | 4.70 | 0.169 | 0.185 |
| A1 | 0.00 | 0.15 | 0.000 | 0.006 |
| A2 | 4.30 | 4.55 | 0.169 | 0.179 |
| B | 1.10 | 1.50 | 0.043 | 0.059 |
| b | 0.70 | 0.90 | 0.028 | 0.035 |
| b1 | 1.20 | 1.50 | 0.047 | 0.059 |
| c | 0.30 | 0.60 | 0.012 | 0.024 |
| c1 | 1.17 | 1.37 | 0.046 | 0.054 |
| D | 9.90 | 10.20 | 0.390 | 0.402 |
| E | 8.50 | 8.90 | 0.335 | 0.350 |
| e | 2.44 | 2.64 | 0.096 | 0.104 |
| e1 | 4.88 | 5.28 | 0.192 | 0.208 |
| L | 15.00 | 15.30 | 0.591 | 0.602 |
| L1 | 5.20 | 5.40 | 0.205 | 0.213 |
| L2 | 2.40 | 2.60 | 0.094 | 0.102 |
| L3 | 1.60 | 1.80 | 0.063 | 0.071 |

# Disclaimer

The information