

## / Descriptions

TO-252                      Voltage Regulator in a TO-252 Plastic Package.

## / Features

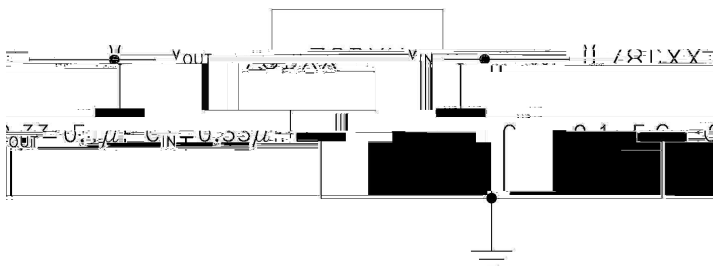
418D/

3-Terminal regulators ,output current up to 1.5A, internal thermal overload protection and short-circuit limiting.

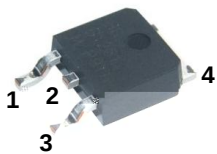
## / Applications

Voltage Regulator.

## /                      / Equivalent Circuit or Application Circuit



## / Pinning



PIN1    IN                      PIN 2    4    GND                      PIN 3    OUT

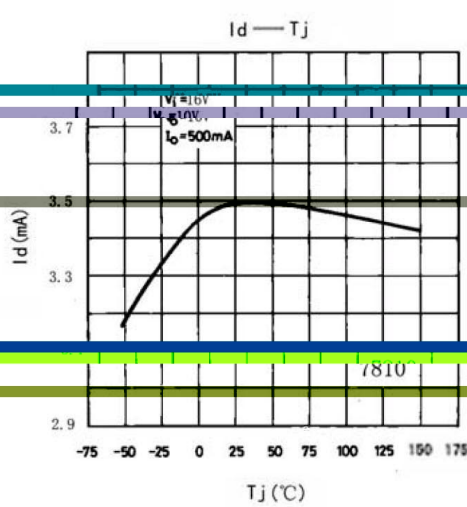
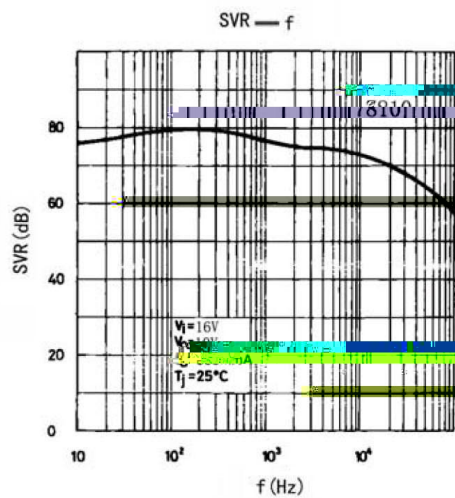
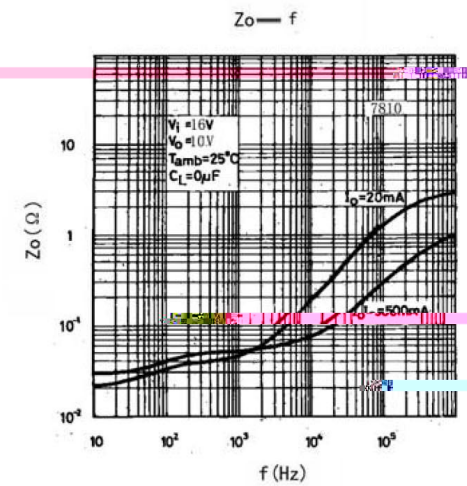
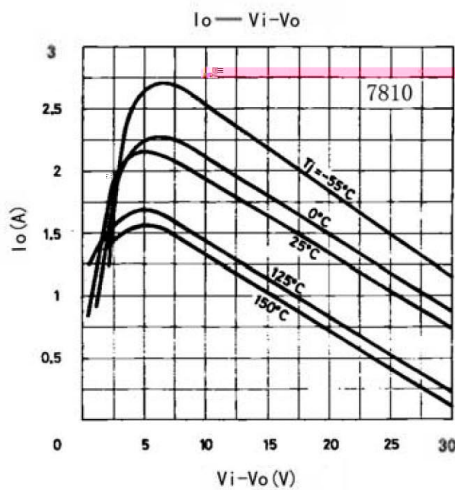
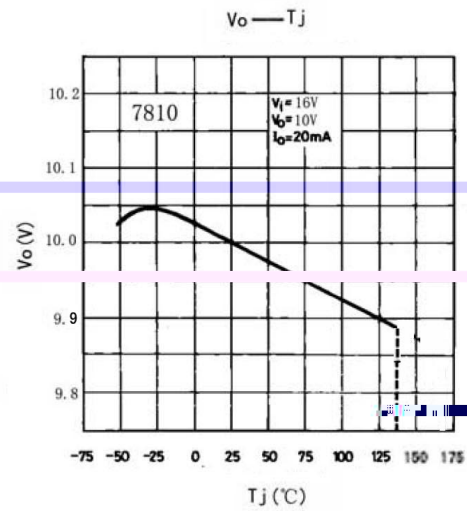
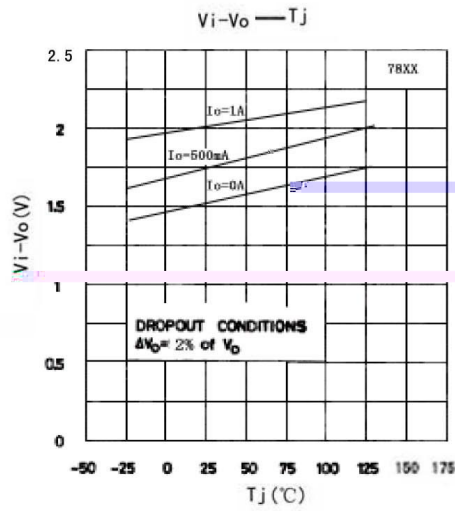
## / Marking

See Marking Instructions.

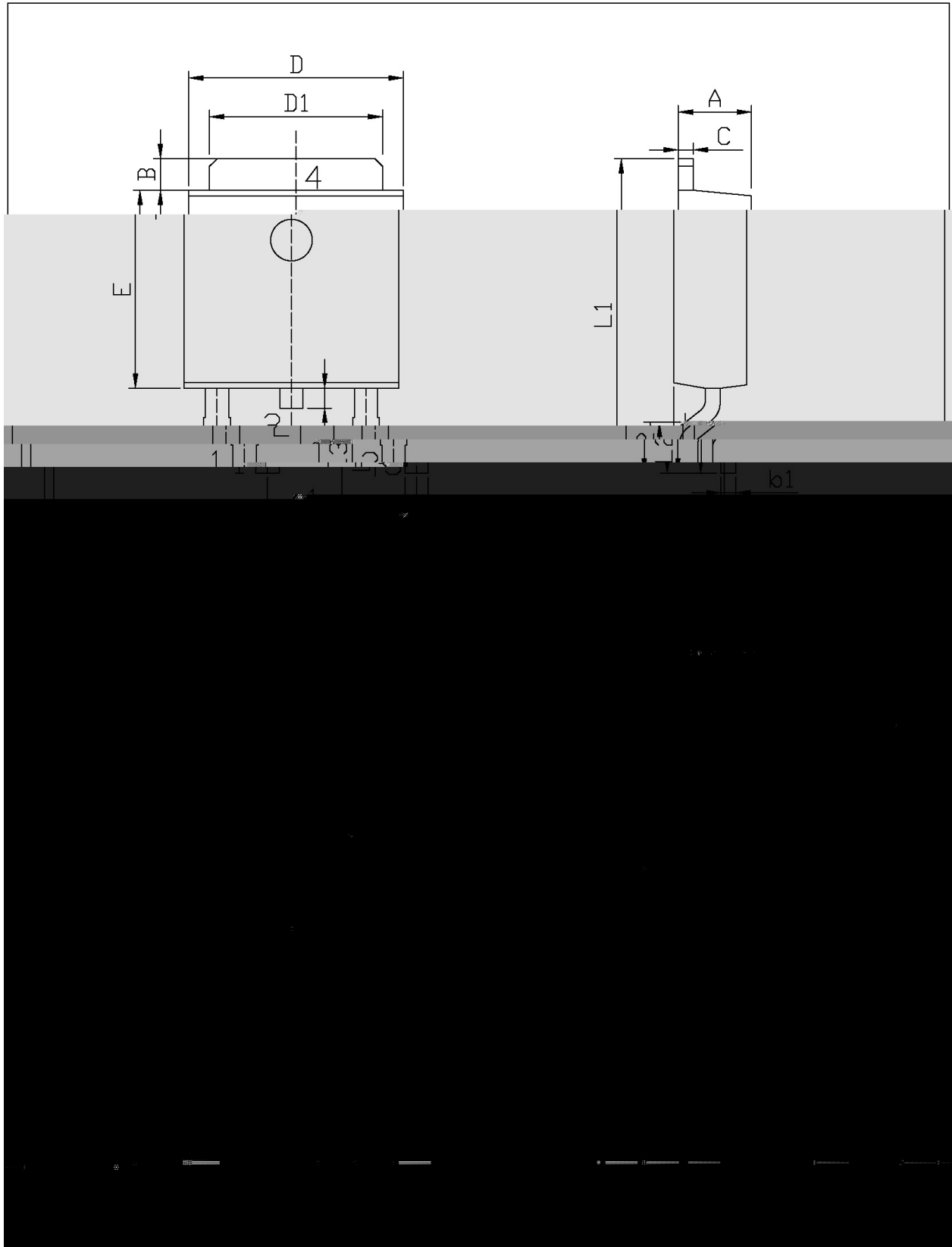
| Parameter                            | Symbol          | Rating  | Unit |
|--------------------------------------|-----------------|---------|------|
| Input voltage                        | $V_I$           | 35      | V    |
| Thermal Resistance Junction-ambient  | $R_{\theta JA}$ | 65      | /W   |
| Thermal Resistance Junction-case     | $R_{\theta JC}$ | 5.0     | /W   |
| Operating Junction Temperature Range | $T_{OPR}$       | 0 125   |      |
| Storage temperature range            | $T_{stg}$       | -65 150 |      |

| Parameter      | Symbol | Test Conditions | Min | Typ | Max  | Unit |
|----------------|--------|-----------------|-----|-----|------|------|
| Output voltage | $V_O$  | $T_j=25$        | 9.6 | 10  | 10.4 | V    |

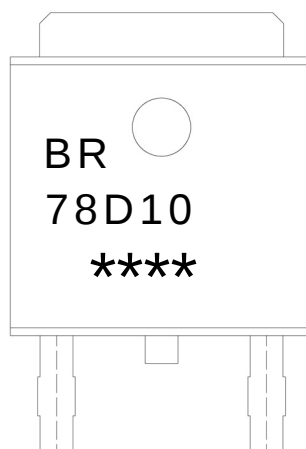
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



EU

: ; G43

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Note:

BR: Company Code.

78D10: Product Type.

\*\*\*\*: Lot No. Code, code change with Lot No.

