

### / Descriptions

TO-262          N          MOS          N-CHANNEL MOSFET in a TO-262 Plastic Package.

### / Features

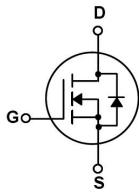
Low gate charge, low crss, fast switching.

### / Applications

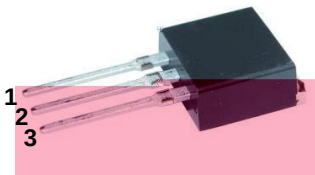
DC/DC

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

### / Equivalent Circuit



### / Pinning



PIN1   G          PIN 2   D          PIN 3   S

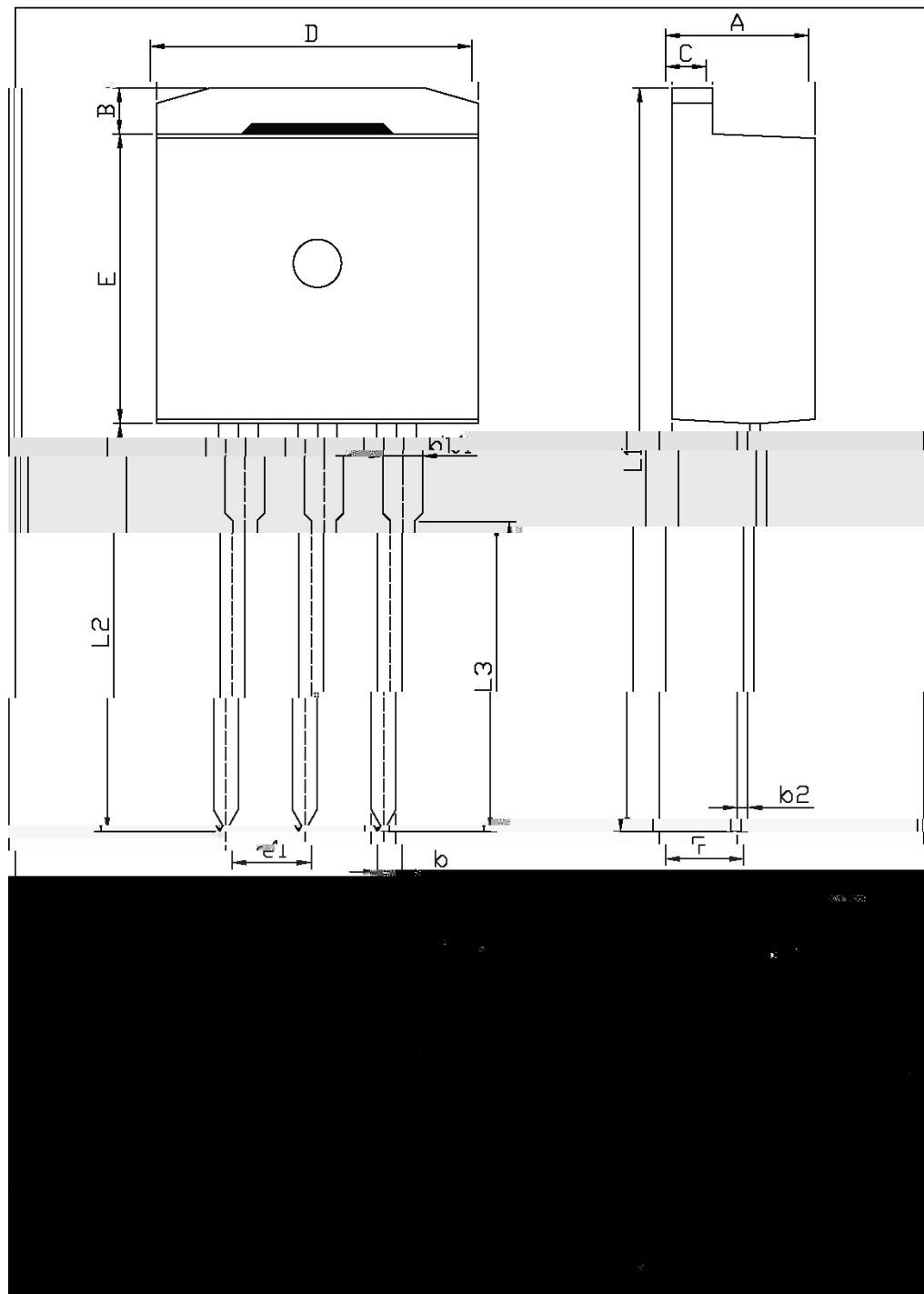
### / $h_{FE}$ Classifications & Marking

See Marking Instructions.

| Parameter                               | Symbol                       | Rating     | Unit |
|-----------------------------------------|------------------------------|------------|------|
| Drain-Source Voltage                    | $V_{DSS}$                    | 600        | V    |
| Drain Current                           | $I_D(T_C=25^\circ\text{C})$  | 2.0        | A    |
| Drain Current                           | $I_D(T_C=100^\circ\text{C})$ | 1.3        | A    |
| Drain Current - Pulsed                  | $I_{DM}$                     | 6.0        | A    |
| Gate-Source Voltage                     | $V_{GSS}$                    | $\pm 30$   | V    |
| Single Pulsed Avalanche Energy          | $E_{AS}$                     | 120        | mJ   |
| Repetitive Avalanche Energy             | $E_{AR}$                     | 5.4        | mJ   |
| Avalanche Current                       | $I_{AR}$                     | 2.0        | A    |
| Power Dissipation                       | $P_D(T_C=25^\circ\text{C})$  | 54         | W    |
| Operating and Storage Temperature Range | $T_J, T_{STG}$               | -55 to 150 |      |
| Thermal Resistance Junction-case        | R                            |            |      |



**I Package Dimensions**



**/ Marking Instructions**



BR

2N60

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Note:

BR: Company Code

2N60: Product Type.

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

