

📄 / Descriptions

TO-251 N MOS N-CHANNEL MOSFET in a TO-251 Plastic Package.

🔑 / Features

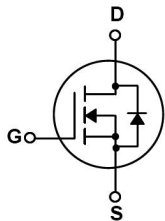
Low gate charge, low crss, fast switching, HF Product.

🔧 / Applications

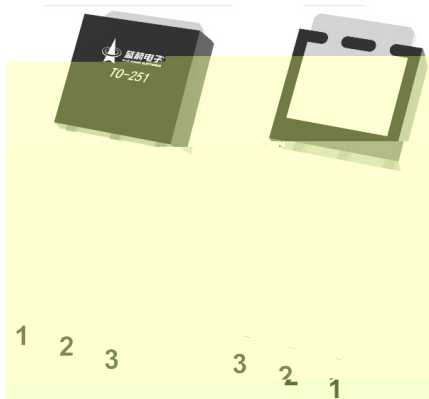
DC/DC

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

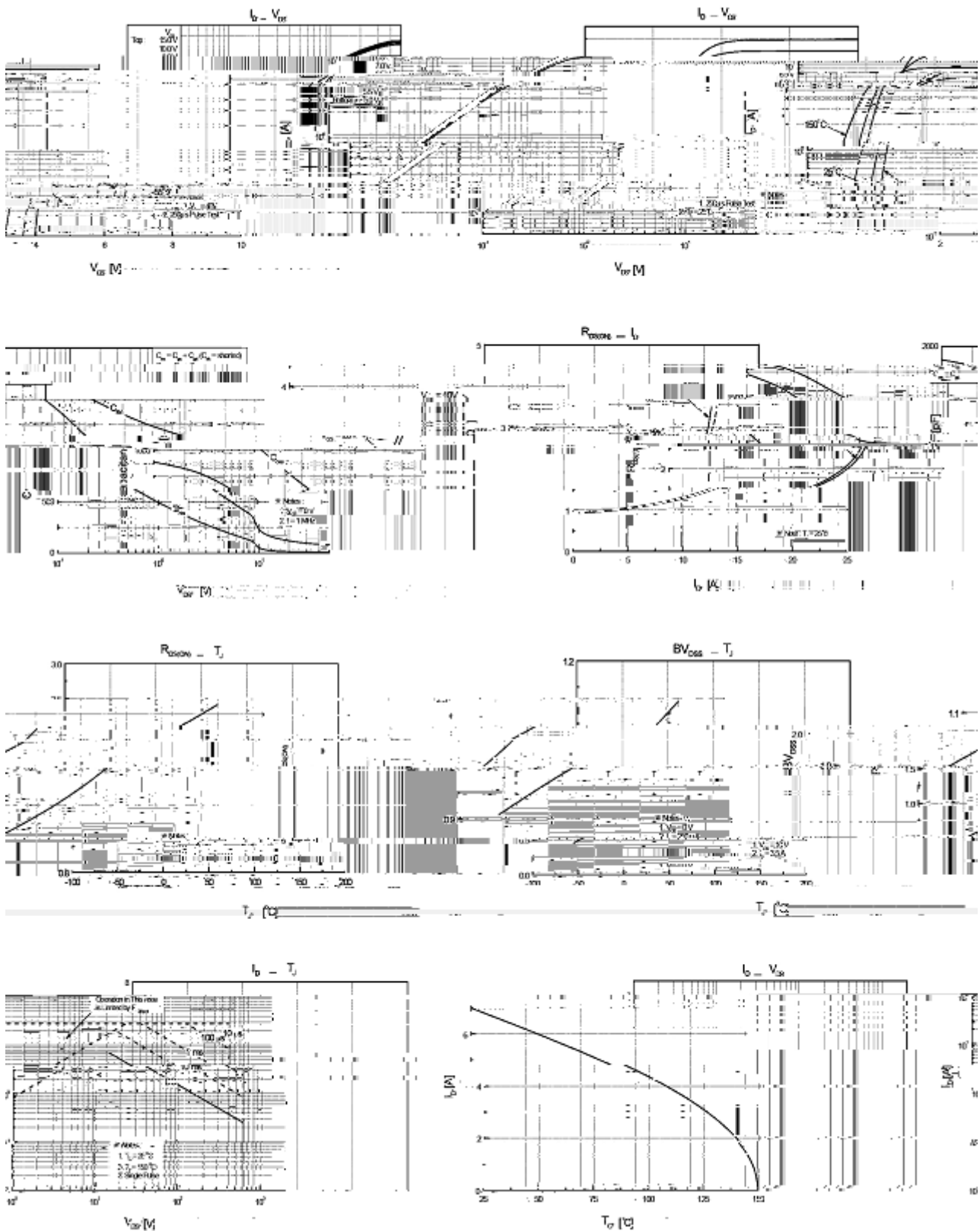
PIN 3 S

🏷️ / Marking

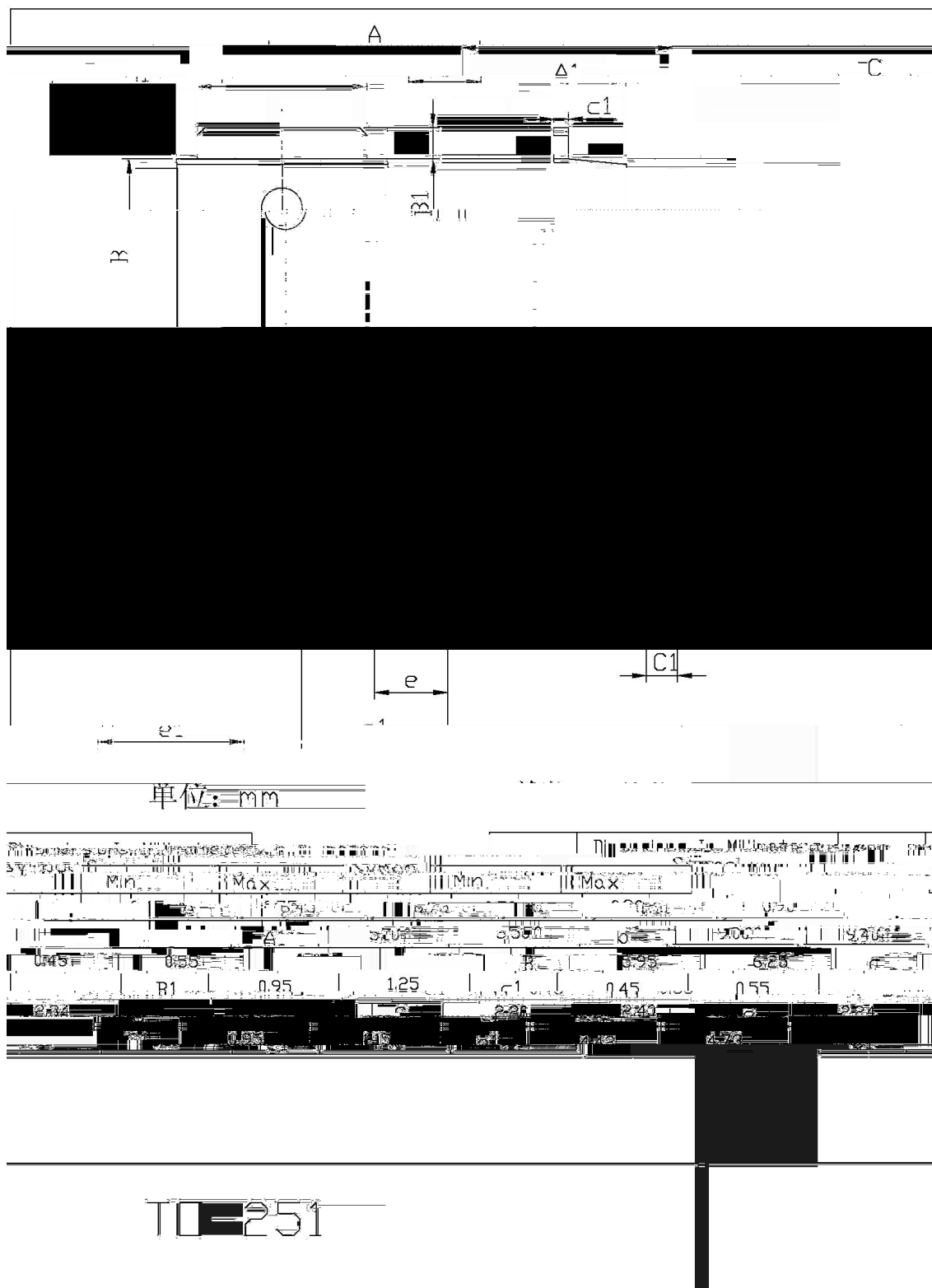
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	650	V
Drain Current	$I_D(T_C=25^\circ\text{C})$	7.0	A
Drain Current	$I_D(T_C=100^\circ\text{C})$	4.4	A
Drain Current - Pulsed	I_{DM}	28	A
Gate-Source Voltage	V_{GS}	± 30	V
Single Pulsed Avalanche Energy	E_{AS}	230	mJ
Repetitive Avalanche Energy	E_{AR}	14.7	mJ
Avalanche Current	I		

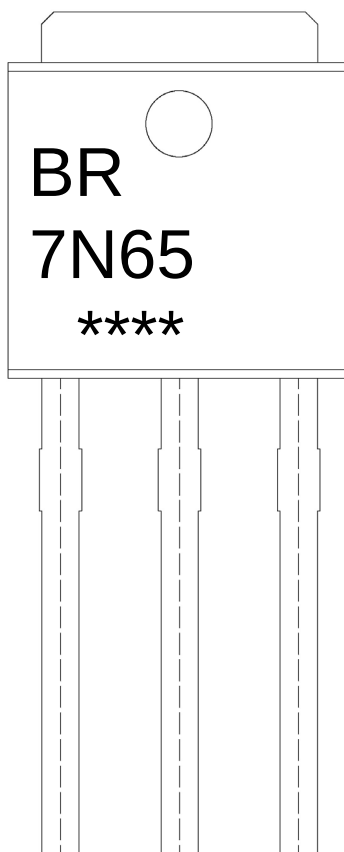
电 气 特 性 / Electrical Characteristic Curve



⊂ É Ò Ì f / Package Dimensions



4. 1.1 / Marking Instructions



BR

7N65

Note:

BR: Company Code

7N65: Product Type

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

