

2SJ424

External dimensions 1 FM20

Absolute Maximum Ratings (Ta = 25°C)

| Symbol | Ratings | Unit |
|------------------------|-------------------------------|------|
| | | |
| V _{DSS} | -60 | V |
| V _{GSS} | ±20 | V |
| I _D | ±5 | A |
| I _{D (pulse)} | ±20 (T _{ch} ≤ 150°C) | A |
| P _D | 25 (T _c = 25°C) | W |
| T _{ch} | 150 | °C |
| T _{stg} | -55 to +150 | °C |

Electrical Characteristics (Ta = 25°C)

| Symbol | Ratings | | | Unit | Conditions |
|-----------------------|---------|------|------|------|---|
| | min | typ | max | | |
| V _{(BR) DSS} | -60 | | | V | I _D = -250μA, V _{GS} = 0V |
| I _{GSS} | | | ±500 | nA | V _{GS} = ±20V |
| I _{DSS} | | | -250 | μA | V _{DS} = -60V, V _{GS} = 0V |
| V _{TH} | -2.0 | | -4.0 | V | V _{DS} = -10V, I _D = -250μA |
| Re (yfs) | 1.0 | 1.6 | | S | V _{DS} = -10V, I _D = -2.5A |
| R _{DS (on)} | | 0.35 | 0.5 | Ω | V _{GS} = -10V, I _D = -2.5A |
| C _{iss} | | 270 | | pF | V _{DS} = -25V, f = 1.0MHz, V _{GS} = 0V |
| C _{oss} | | 170 | | pF | |
| t _{on} | | 75 | | ns | I _D = -2.5A, V _{DD} = -30V, V _{GS} = -10V, See Figure 3 on Page 5. |
| t _{off} | | 35 | | ns | |