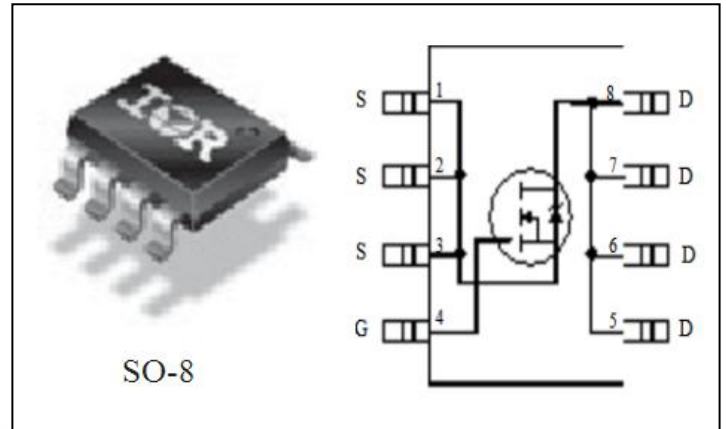


isc N-Channel MOSFET Transistor
IRF7473TRPBF
• FEATURES

- With SOP-8 packaging
- High speed switching
- Easy to use
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

• APPLICATIONS

- Power supply
- DC-DC converters
- Motor control
- Switching applications


• ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

| SYMBOL | PARAMETER | | VALUE | UNIT |
|-----------|--------------------------------|--|------------|--------------------|
| V_{DSS} | Drain-Source Voltage | | 100 | V |
| V_{GSS} | Gate-Source Voltage | | ± 20 | V |
| I_D | Drain Current-Continuous | $T_c=25^{\circ}\text{C}$ $T_c=75^{\circ}\text{C}$ | 6.9 5.5 | A |
| I_{DM} | Drain Current-Single Pulsed | | 55 | A |
| P_D | Power Dissipation | | 2.5 | W |
| T_j | Operating Junction Temperature | | -55~150 | $^{\circ}\text{C}$ |
| T_{stg} | Storage Temperature | | -55~150 | $^{\circ}\text{C}$ |

• THERMAL CHARACTERISTICS

| SYMBOL | PARAMETER | MAX | UNIT |
|----------------|---------------------------------------|-----|----------------------|
| $R_{th(ch-a)}$ | Channel-to-ambient thermal resistance | 50 | $^{\circ}\text{C/W}$ |

isc N-Channel MOSFET Transistor**IRF7473TRPBF****ELECTRICAL CHARACTERISTICS**T_C=25°C unless otherwise specified

| SYMBOL | PARAMETER | CONDITIONS | MIN | TYP | MAX | UNIT |
|---------------------|--------------------------------|---|-----|-----|----------|------|
| BV _{DSS} | Drain-Source Breakdown Voltage | V _{GS} =0V; I _D = 0.25mA | 100 | | | V |
| V _{GS(th)} | Gate Threshold Voltage | V _{DS} =±20V; I _D =0.25mA | 3.5 | | 5.5 | V |
| R _{DS(on)} | Drain-Source On-Resistance | V _{GS} = 10V; I _D =4.1A | | 22 | 26 | mΩ |
| I _{GSS} | Gate-Source Leakage Current | V _{GS} = ±20V; V _{DS} = 0V | | | ±0.1 | μA |
| I _{DSS} | Drain-Source Leakage Current | V _{DS} = 95V; V _{GS} = 0V; T _j =25°C V _{DS} = 80V; V _{GS} = 0V; T _j =150°C | | | 1 250 | μA |
| V _{SDF} | Diode forward voltage | I _{SD} =4.1A, V _{GS} = 0 V | | | 1.3 | V |

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