



THE DATASHEET OF ZVP0545A



P-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FET

ISSUE 2 – MARCH 94

FEATURES

- * 450 Volt V_{DS}
- * $R_{DS(on)} = 150\Omega$

ABSOLUTE MAXIMUM RATINGS

| PARAMETER |
|---|
| Drain-Source Voltage |
| Continuous Drain Current at $T_{amb}=25^{\circ}C$ |
| Pulsed Drain Current |
| Gate Source Voltage |
| Power Dissipation at $T_{amb}=25^{\circ}C$ |
| Operating and Storage Temperature Range |

ELECTRICAL CHARACTERISTICS

| PARAMETER | SYMBOL |
|---|--------------|
| Drain-Source Breakdown Voltage | BV_{DSS} |
| Gate-Source Threshold Voltage | $V_{GS(th)}$ |
| Gate-Body Leakage Current | I_{GSS} |
| Zero Gate Voltage Drain Current | I_{DSS} |
| On-State Drain Current (1) | $I_{D(on)}$ |
| Static Drain-Source On-State Resistance (1) | $R_{DS(on)}$ |
| Forward Transconductance (1)(2) | g_{fs} |
| Input Capacitance (2) | C_{iss} |
| Common Source Output Capacitance (2) | C_{oss} |
| Reverse Transfer Capacitance (2) | C_{rss} |
| Turn-On Delay Time (2)(3) | $t_{d(on)}$ |
| Rise Time (2)(3) | t_r |
| Turn-Off Delay Time (2)(3) | $t_{d(off)}$ |
| Fall Time (2)(3) | t_f |

(1) Measured under pulsed conditions. $W_{eff} = 100\mu m$.

(2) Sample test.

Looking for pricing, stock, or lifecycle information?

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- ⊖ [Diodes Incorporated Information](#)

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