



**THE DATASHEET OF  
ZVN0545ASTZ**



# N-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FET

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## FEATURES

- \* 450 Volts  $V_{DS}$
- \*  $R_{DS(on)} = 50\Omega$

## ABSOLUTE MAXIMUM RATINGS

PARAMETER
Drain-Source Voltage
Continuous Drain Current at $T_{amb}=25^{\circ}\text{C}$
Pulsed Drain Current
Gate-Source Voltage
Power Dissipation at $T_{amb}=25^{\circ}\text{C}$
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	$I_{GSS}$
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)	$t_f$

## Looking for pricing, stock, or lifecycle information?

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## Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management