

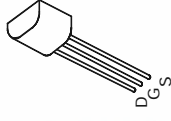
N-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FET

ISSUE 2 – MARCH 94

FEATURES

- * 350 Volt V_{DS}
- * $R_{DS(on)}=40\Omega$

ZVNL535A



E-Line
TO92 Compatible

查询ZVNL535A供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Drain-Source Voltage	V_{DS}	350	V
Continuous Drain Current at $T_{amb}=25^{\circ}C$	I_D	90	mA
Pulsed Drain Current	I_{DM}	800	mA
Gate Source Voltage	V_{GS}	± 20	V
Power Dissipation at $T_{amb}=25^{\circ}C$	P_{Tot}	700	mW
Operating and Storage Temperature Range	T_j, T_{stg}	-55 to +150	$^{\circ}C$

ELECTRICAL CHARACTERISTICS (at $T_{amb} = 25^{\circ}C$ unless otherwise stated).

PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS.
Drain-Source Breakdown Voltage	BV_{DSS}	350		V	$I_D=1mA, V_{GS}=0V$
Gate-Source Threshold Voltage	$V_{GS(th)}$	0.5	1.5	V	$ID=1mA, V_{DS}=V_{GS}$
Gate-Body Leakage	I_{GSS}		100	nA	$V_{GS}=\pm 20V, V_{DS}=0V$
Zero Gate Voltage Drain Current	I_{DSS}		50 400	μA μA	$V_{DS}=350V, V_{GS}=0V$ $V_{DS}=280V, V_{GS}=0V, T=125^{\circ}C(2)$
On-State Drain Current(1)	$I_{D(on)}$	200		mA	$V_{DS}=25V, V_{GS}=5V$
Static Drain-Source On-State Resistance (1)	$R_{DS(on)}$		40 40	Ω Ω	$V_{GS}=5V, I_D=100mA$ $V_{GS}=3V, I_D=50mA$
Forward Transconductance (1)(2)	g_{fs}	100		mS	$V_{DS}=25V, I_D=100mA$
Input Capacitance (2)	C_{iss}		70	pF	
Common Source Output Capacitance (2)	C_{oss}		10	pF	$V_{DS}=25V, V_{GS}=0V, f=1MHz$
Reverse Transfer Capacitance (2)	C_{riss}		4	pF	
Turn-On Delay Time (2)(3)	$t_{d(on)}$		7	ns	
Rise Time (2)(3)	t_r		7	ns	
Turn-Off Delay Time (2)(3)	$t_{d(off)}$		16	ns	
Fall Time (2)(3)	t_f		10	ns	$V_{DD}=25V, I_D=100mA$



维库电子市场网 www.dzsc.com