

N-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FET

ZVN0117TA

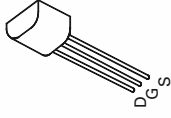
ISSUE 1 - APRIL 94

FEATURES

- * 170 Volt BV_{DS}

APPLICATIONS

- * Telephone handsets



E-Line

TO92 Compatible

ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Drain-Source Voltage	V_{DS}	170	V
Continuous Drain Current at $T_{amb}=25^{\circ}C$	I_D	160	mA
Pulsed Drain Current	I_{DM}	2	A
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}	170		V	$I_D=10\mu A, V_{GS}=0V$
Gate-Body Leakage	I_{GSS}		100	nA	$V_{GS}=\pm 15V, V_{DS}=0V$
Zero Gate Voltage Drain Current	I_{DSS}	10	50	μA	$V_{DS}=170V, V_{GS}=0V$ $V_{DS}=140V, V_{GS}=0V, T=50^{\circ}C(2)$
On-State Drain Current(1)	$I_{D(on)}$	100		mA	$V_{DS}=3V, V_{GS}=3.3V$
Static Drain-Source On-State Resistance (1)	$R_{DS(on)}$	23	23	Ω	$V_{GS}=3.3V, I_D=100mA$ $V_{GS}=3V, I_D=30mA$

(1) Measured under pulsed conditions. Width=300 μs . Duty cycle $\leq 2\%$

[查询ZVN0117TA供应商](#)

[捷多邦, 专业PCB打样工厂, 24小时加急出货](#)

