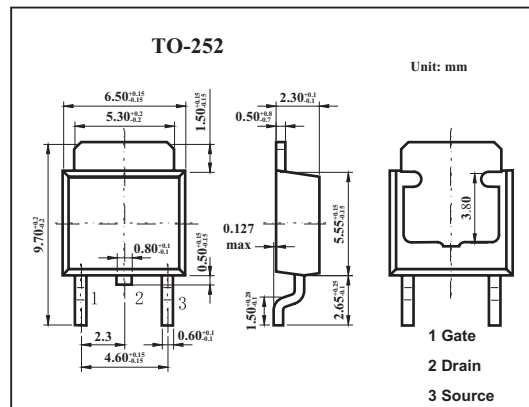


■ Features

- Low on-state resistance
 $R_{DS(on)} = 4.4 \Omega$ MAX. ($V_{GS} = 10V, I_D = 1.0A$)
- Low gate charge
 $Q_G = 9 nC$ TYP. ($V_{DD} = 450V, V_{GS} = 10V, I_D = 2.0A$)
- Gate voltage rating $\pm 30V$
- Avalanche capability ratings



■ Absolute Maximum Ratings $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Drain to source voltage	V_{DSS}	600	V
Gate to source voltage	V_{GSS}	± 30	V
Drain current	I_D	± 2.0	A
	I_{dp}^*	± 8.0	A
Power dissipation	P_D	$T_c=25^\circ C$	20
		$T_a=25^\circ C$	1.0
Channel temperature	T_{ch}	150	$^\circ C$
Storage temperature	T_{stg}	-55 to +150	$^\circ C$

* $PW \leq 10 \mu s, Duty\ Cycle \leq 1\%$

■ Electrical Characteristics $T_a = 25^\circ C$

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Drain cut-off current	I_{DSS}	$V_{DS}=600V, V_{GS}=0$			100	μA
Gate leakage current	I_{GSS}	$V_{GS} = \pm 30V, V_{DS}=0$			± 10	μA
Gate to source cut off voltage	$V_{GS(off)}$	$V_{DS}=10V, I_D=1mA$	2.5		3.5	V
Forward transfer admittance	$ Y_{fs} $	$V_{DS}=10V, I_D=1.0A$	0.5			S
Drain to source on-state resistance	$R_{DS(on)}$	$V_{GS}=10V, I_D=1.0A$		3.3	4.4	Ω
Input capacitance	C_{iss}	$V_{DS}=10V, V_{GS}=0, f=1MHz$		260		pF
Output capacitance	C_{oss}			60		pF
Reverse transfer capacitance	C_{rss}			5		pF
Turn-on delay time	t_{on}	$I_D=1.0A, V_{GS(on)}=10V, V_{DD}=150V, R_G=10\Omega, R_L=10\Omega$		7		ns
Rise time	t_r			2		ns
Turn-off delay time	t_{off}			22		ns
Fall time	t_f			9		ns