

Specifications

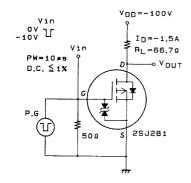
Absolute Maximum Ratings at Ta = 25°C

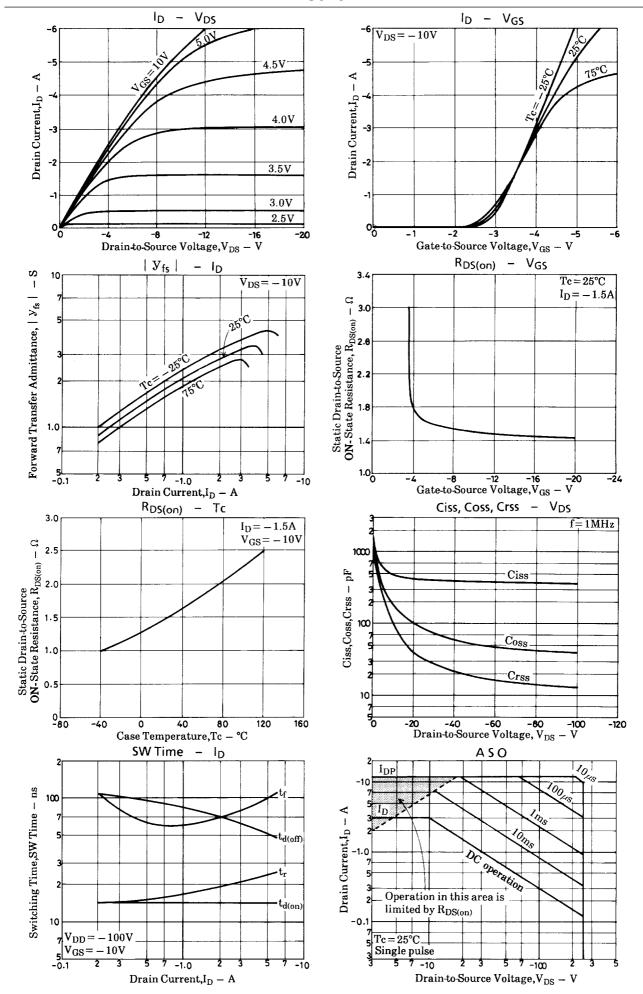
Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	V _{DSS}		-250	V
Gate-to-Source Voltage	V _{GSS}		±30	V
Drain Current (DC)	ID		-3	Α
Drain Current (Pulse)	I _{DP}	PW≤10μs, duty cycle≤1%	-12	Α
Allowable Power Dissipation	D_		1.0	W
	P _D	Tc=25°C	30	W
Channel Temperature	Tch		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

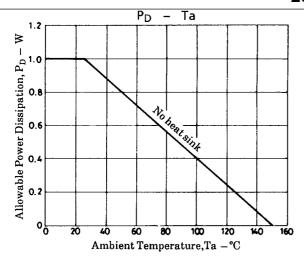
Parameter	Symbol	Conditions	Ratings			Lloit
			min	typ	max	Unit
Drain-to-Source Breakdown Voltage	V _{(BR)DSS}	I _D =-1mA, V _{GS} =0	-250			V
Gate-to-Source Breakdown Voltage	V _(BR) GSS	I _G =±100μA, V _{DS} =0	±30			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =-250V, V _{GS} =0			-100	μA
Gate-to-Source Leakage Current	IGSS	V _{GS} =±25V, V _{DS} =0			±10	μA
Cutoff Voltage	VGS(off)	V _{DS} =-10V, I _D =-1mA	-1.5		-2.5	V
Forward Transfer Admittance	yfs	V _{DS} =-10V, I _D =-1.5A	1.5	2.5		S
Static Drain-to-Source ON-State Resistance	R _{DS(on)}	I _D =-1.5A, V _{GS} =-10V		1.5	2.0	Ω
Input Capacitance	Ciss	V _{DS} =-20V, f=1MHz		420		pF
Output Capacitance	Coss	V _{DS} =-20V, f=1MHz		100		pF
Reverse Transfer Capacitance	Crss	V _{DS} =-20V, f=1MHz		40		pF
Turn-ON Delay Time	t _{d(on)}	See specified Test Circuit		14		ns
Rise Time	t _r	See specified Test Circuit		18		ns
Turn-OFF Delay Time	td(off)	See specified Test Circuit		75		ns
Fall Time	t _f	See specified Test Circuit		65		ns
Diode Forward Voltage	V _{SD}	I _S =-3A, V _{GS} =0		-1.0	-1.5	V

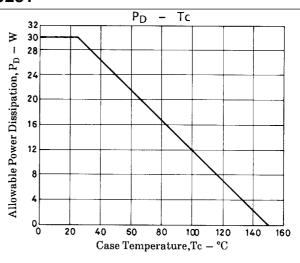
Switching Time Test Circuit





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