

No.5267

2SJ417

P-Channel Silicon MOSFET

SANYO**Ultrahigh-Speed Switching Applications****Features**

- Low ON-resistance.
- Ultrahigh-speed switching.
- 4V drive.

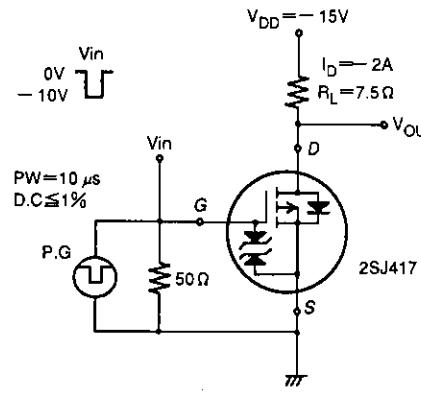
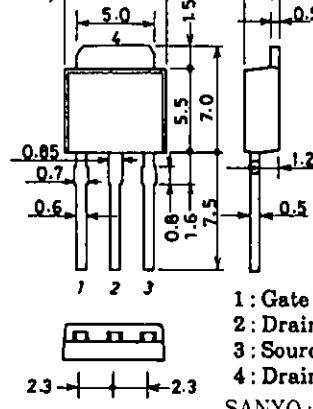
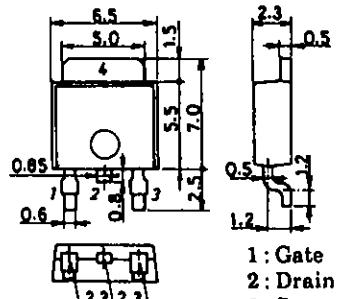
Absolute Maximum Ratings at Ta=25°C

			unit
Drain-to-Source Voltage	V _{DSS}	-30	V
Gate-to-Source Voltage	V _{GSS}	±20	V
Drain Current(DC)	I _D	-4	A
Drain Current(Pulse)	I _{DP}	PW≤10μs, duty cycle≤1%	-16 A
Allowable Power Dissipation	P _D		1 W
		T _c =25°C	20 W
Channel Temperature	T _{ch}	150	°C
Storage Temperature	T _{stg}	-55 to +150	°C

Electrical Characteristics at Ta=25°C

			min	typ	max	unit
D-S Breakdown Voltage	V _{(BR)DSS}	I _D =-1mA, V _{GS} =0	-30			V
Zero-Gate Voltage	I _{DSS}	V _{DS} =-30V, V _{GS} =0			-100	μA
Drain Current	I _{GSS}	V _{GS} =±16V, V _{DS} =0			±10	μA
Gate-to-Source Leakage Current	V _{GS(off)}	V _{DS} =-10V, I _D =-1mA	-1.0		-2.5	V
Cutoff Voltage	Y _{fs}	V _{DS} =-10V, I _D =-2A	2	4		S
Forward Transfer Admittance	R _{DS(on)}	I _D =-2A, V _{GS} =-10V	120	160		mΩ
Static Drain-to-Source	R _{DS(on)}	I _D =-2A, V _{GS} =-4V	210	290		mΩ
ON-State Resistance	C _{iss}	V _{DS} =-10V, f=1MHz	370			pF
Input Capacitance	C _{oss}	V _{DS} =-10V, f=1MHz	230			pF
Output Capacitance	C _{rss}	V _{DS} =-10V, f=1MHz	70			pF
Reverse Transfer Capacitance	t _{d(on)}	See specified Test Circuit.	10			ns
Turn-ON Delay Time	t _r	"	50			ns
Rise Time	t _{d(off)}	"	135			ns
Turn-OFF Delay Time	t _f	"	125			ns
Fall Time	V _{SD}	I _S =-4A, V _{GS} =0	-1.0	-1.2		V

Marking : JJ

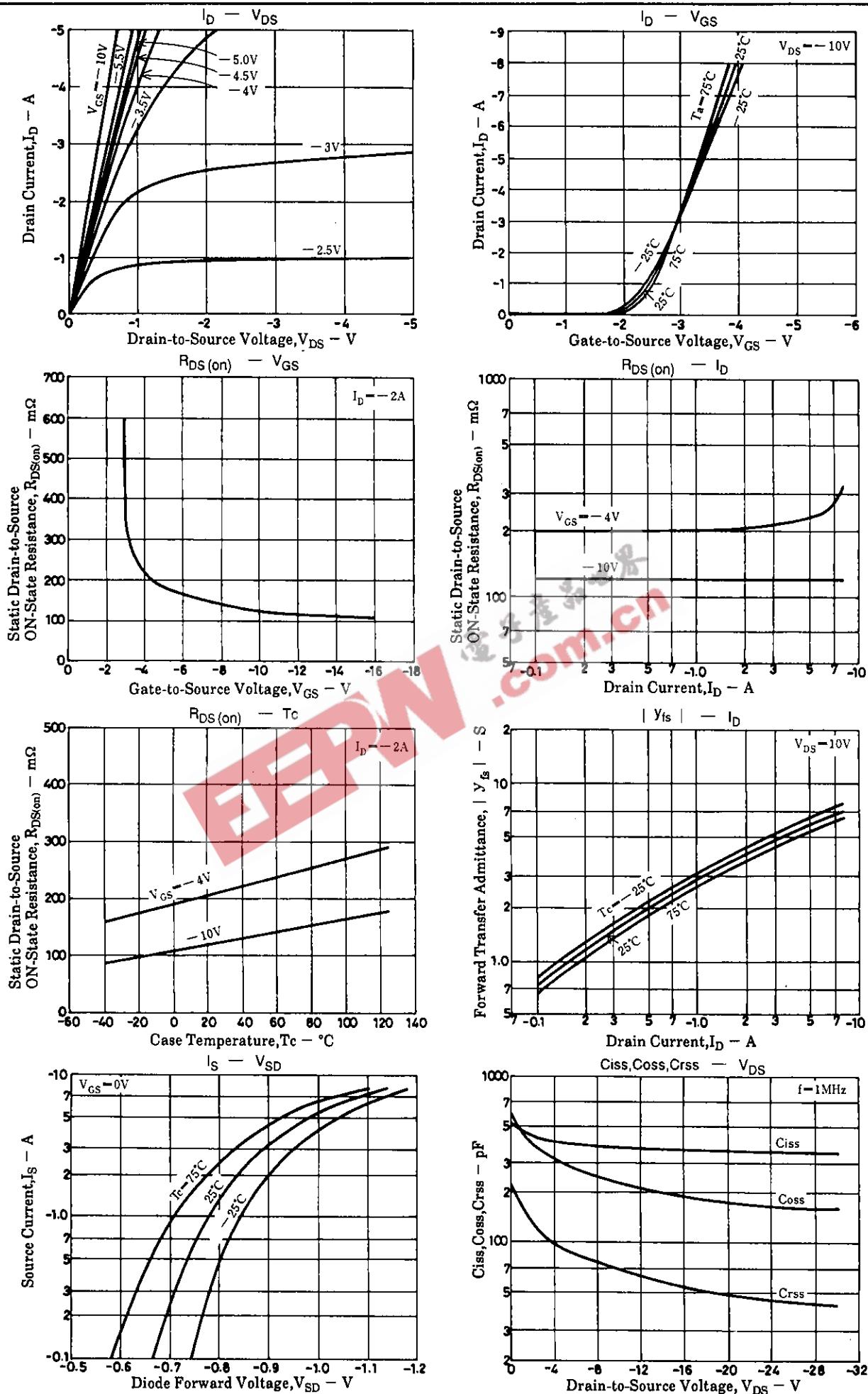
Switching Time Test Circuit**Package Dimensions 2083B**
(unit : mm)**Package Dimensions 2092B**
(unit : mm)

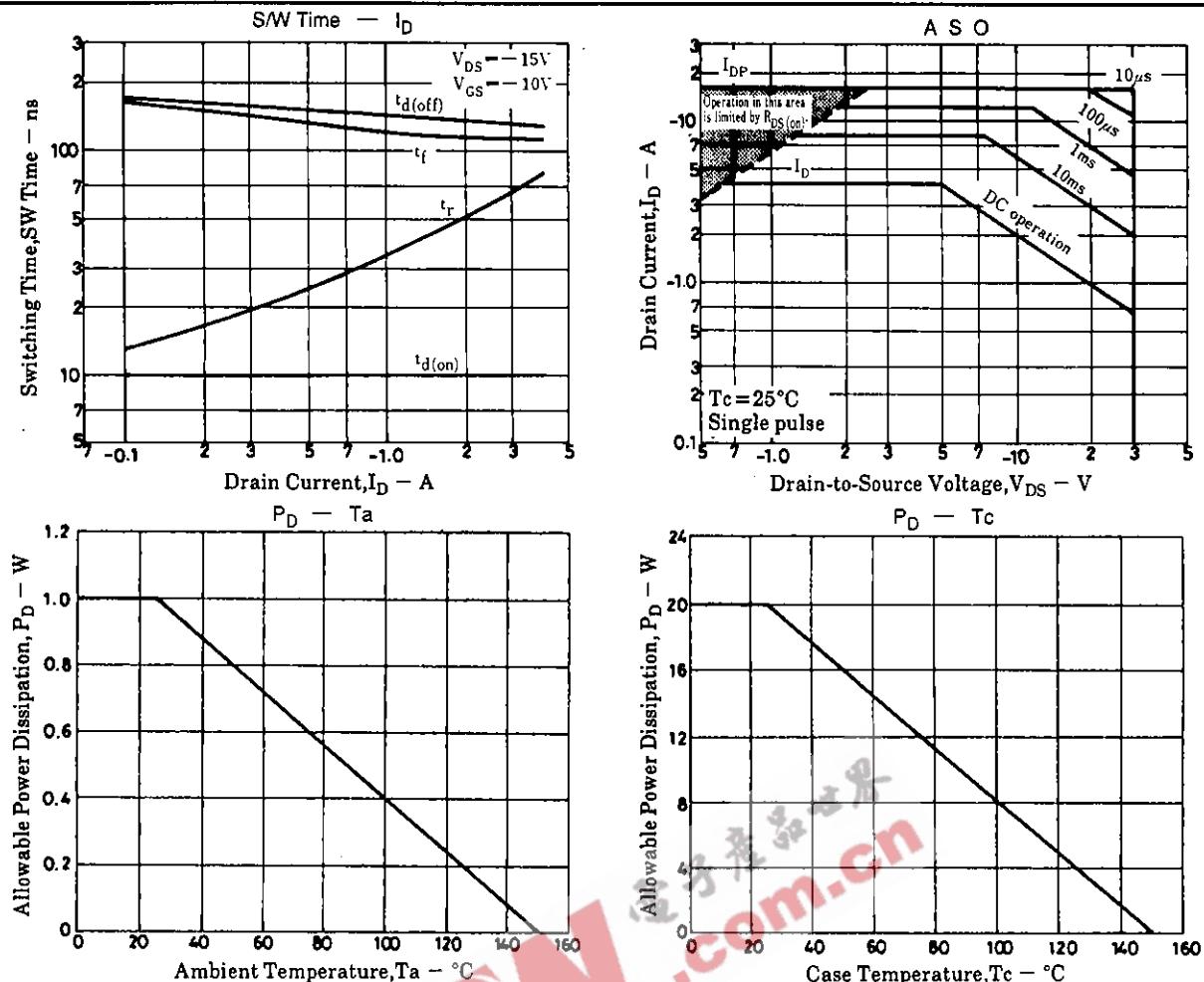
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