

No.3467

2SK1464**SANYO**

N-Channel MOS Silicon FET

Very High-Speed Switching Applications

Features

- Low ON-state resistance.
- Very high-speed switching.
- Converters.

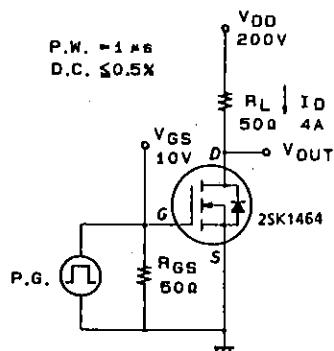
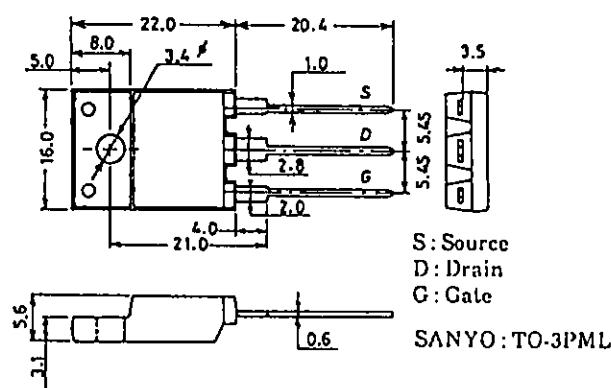
Absolute Maximum Ratings at Ta=25°C

		unit
Drain to Source Voltage	V _{DSS}	900 V
Gate to Source Voltage	V _{GSS}	±30 V
Drain Current(DC)	I _D	8 A
Drain Current(Pulse)	I _{DP}	16 A
Allowable Power Dissipation	P _D	80 W
Channel Temperature	T _{ch}	3.0 W
Storage Temperature	T _{stg}	150 °C
		-55 to +150 °C

Electrical Characteristics at Ta=25°C

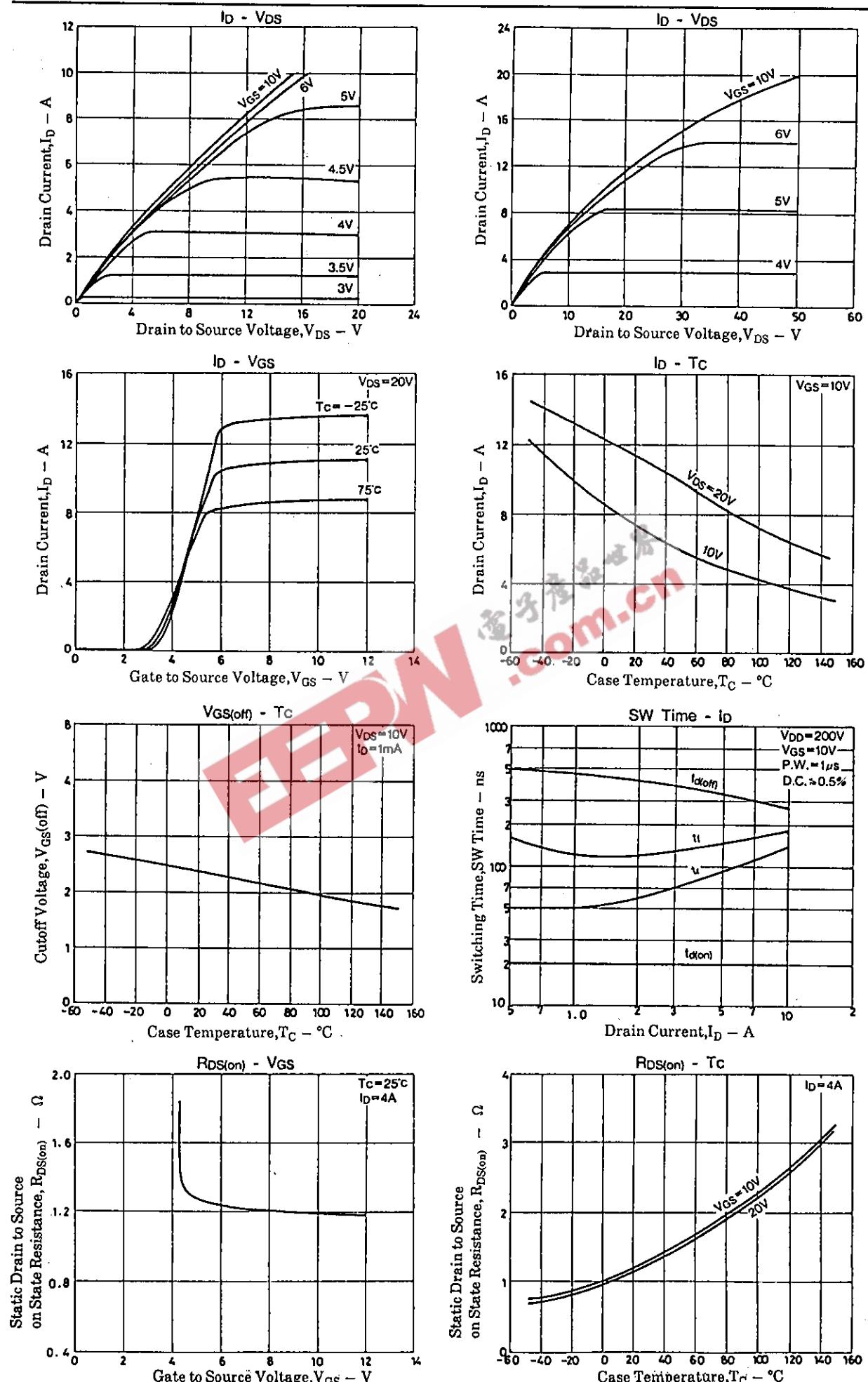
		min	typ	max	unit
D-S Breakdown Voltage	V _{(BR)DSS}	900			V
Zero Gate Voltage Drain Current	I _{DSS}			1.0	mA
Gate to Source Leakage Current	I _{GSS}	±100			nA
Cutoff Voltage	V _{GS(off)}	2.0		3.0	V
Forward Transfer Admittance	Y _f	2.5	5.0		S
Static Drain to Source on State Resistance	R _{DS(on)}	1.2	1.6		Ω
Input Capacitance	C _{iss}	1600			pF
Output Capacitance	C _{oss}	500			pF
Reverse Transfer Capacitance	C _{rss}	350			pF
Turn-ON Delay Time	t _{d(on)}	20			ns
Rise Time	t _r	80			ns
Turn-OFF Delay Time	t _{d(off)}	350			ns
Fall Time	t _f	150			ns
Diode Forward Voltage	V _{SD}			1.8	V

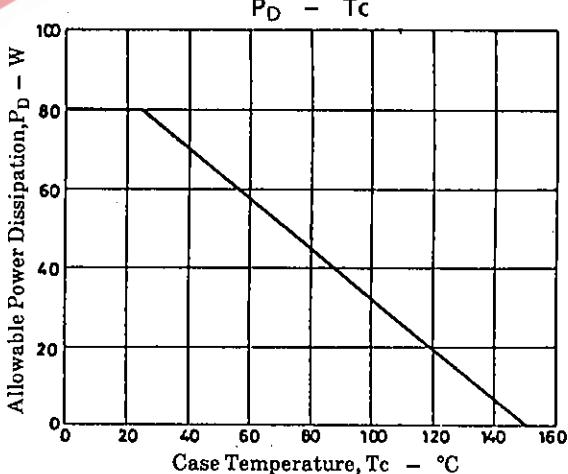
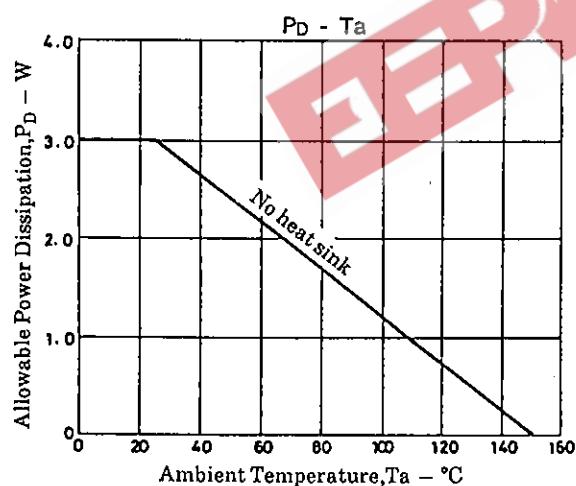
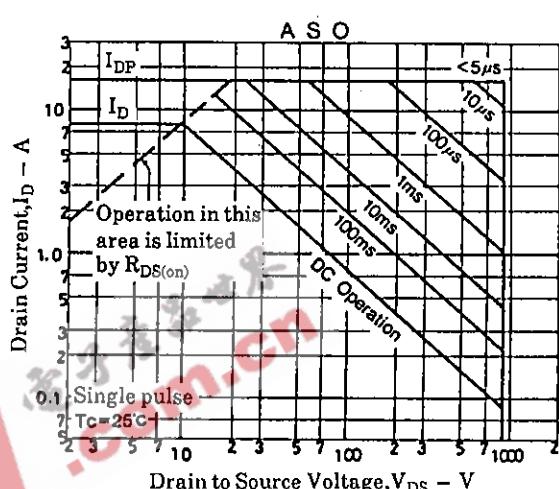
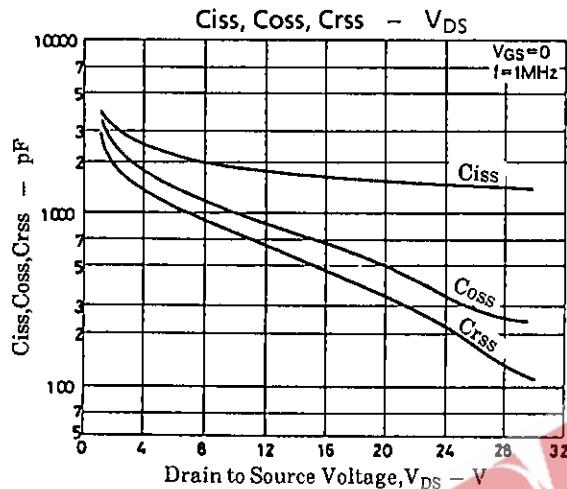
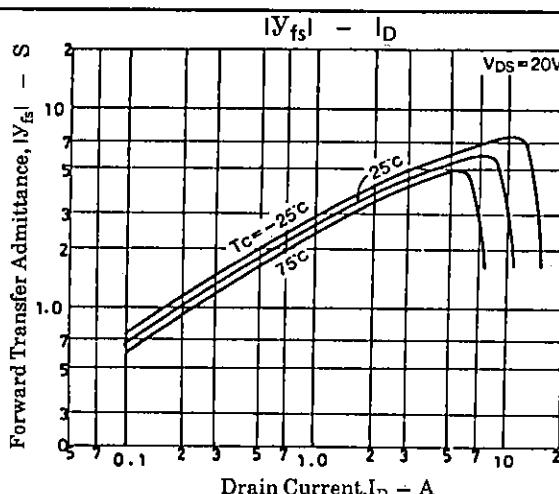
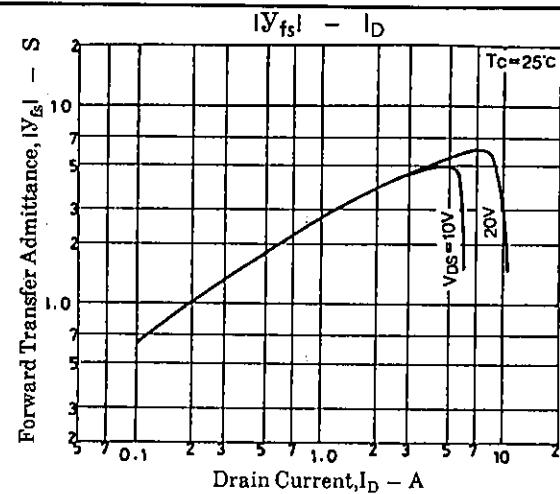
(Note) Be careful in handling the 2SK1464 because it has no protection diode between gate and source.

Switching Time Test Circuit**Package Dimensions 2076**
(unit : mm)

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2SK1464





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