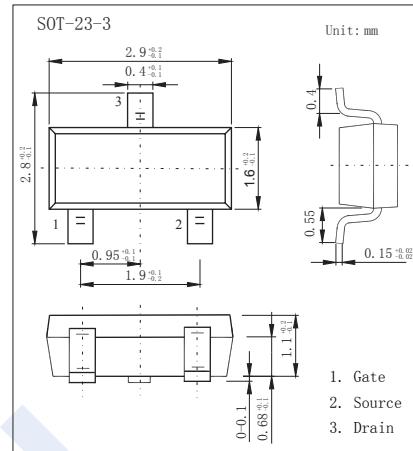
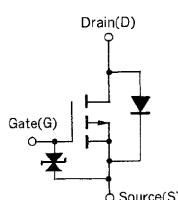


## P-Channel MOSFET

### 2SJ203

#### ■ Features

- $V_{DS} (V) = -16V$
- $I_D = -200mA$
- $R_{DS(ON)} < 23\Omega$  ( $V_{GS} = -2.5V$ )
- $R_{DS(ON)} < 10\Omega$  ( $V_{GS} = -4V$ )



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

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	-16	V
Gate-Source Voltage	$V_{GS}$	$\pm 7$	
Continuous Drain Current	$I_D$	-200	mA
Pulsed Drain Current (Note.1)	$I_{DM}$	-400	
Power Dissipation	$P_D$	200	mW
Junction Temperature	$T_J$	150	
Operating Temperature	$T_{opt}$	-55 to 80	$^\circ C$
Junction Storage Temperature Range	$T_{stg}$	-55 to 150	

Note.1:  $PW \leq 10ms$ , Duty Cycle  $\leq 50\%$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	$V_{DSS}$	$I_D = -250\mu A, V_{GS}=0V$	-16			V
Zero Gate Voltage Drain Current	$I_{DSS}$	$V_{DS}=-16V, V_{GS}=0V$			-1	$\mu A$
Gate-Body leakage current	$I_{GSS}$	$V_{DS}=0V, V_{GS}=\pm 3V$			$\pm 10$	$\mu A$
Gate Cut off Voltage	$V_{GS(off)}$	$V_{DS}=-3V, I_D=-1\mu A$	-1.2	-2.2		V
Static Drain-Source On-Resistance	$R_{DS(on)}$	$V_{GS}=-2.5V, I_D=-1mA$			23	$\Omega$
		$V_{GS}=-4V, I_D=-1mA$			10	
Forward Transconductance	$g_{FS}$	$V_{DS}=-3V, I_D=-10mA$	20	48		$mS$
Input Capacitance	$C_{iss}$	$V_{GS}=0V, V_{DS}=-3V, f=1MHz$		28		$pF$
Output Capacitance	$C_{oss}$			32		
Reverse Transfer Capacitance	$C_{rss}$			6		
Turn-On Delay Time	$t_{d(on)}$	$V_{GS(on)}=-3V, V_{DS}=-3V, I_D=-10mA, R_L=300\Omega, R_{GEN}=10\Omega$		180		$ns$
Turn-On Rise Time	$t_r$			420		
Turn-Off Delay Time	$t_{d(off)}$			100		
Turn-Off Fall Time	$t_f$			200		

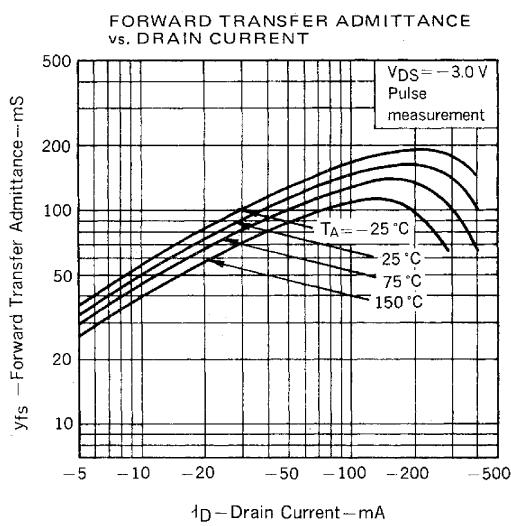
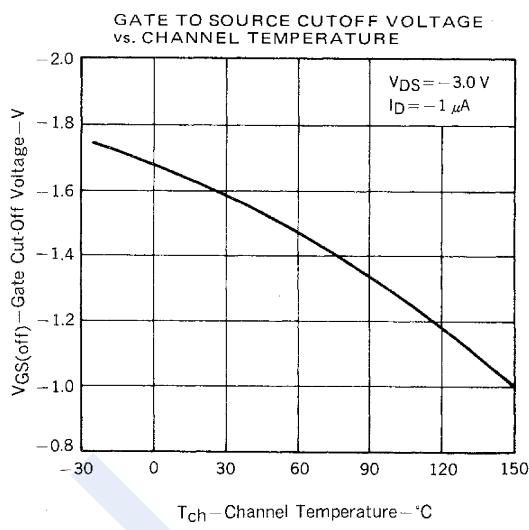
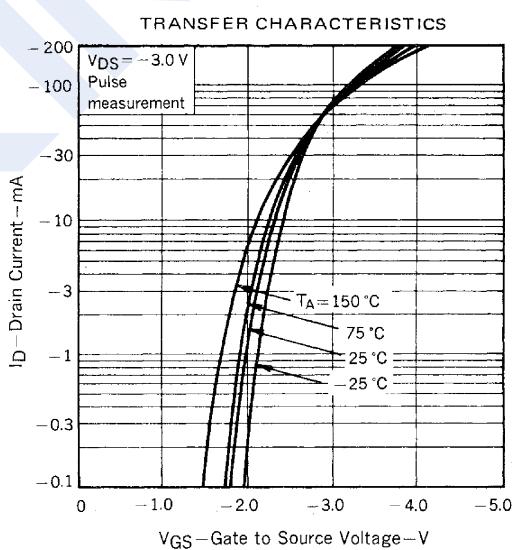
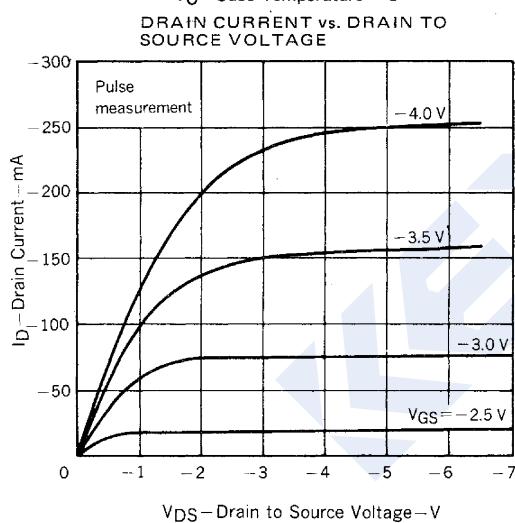
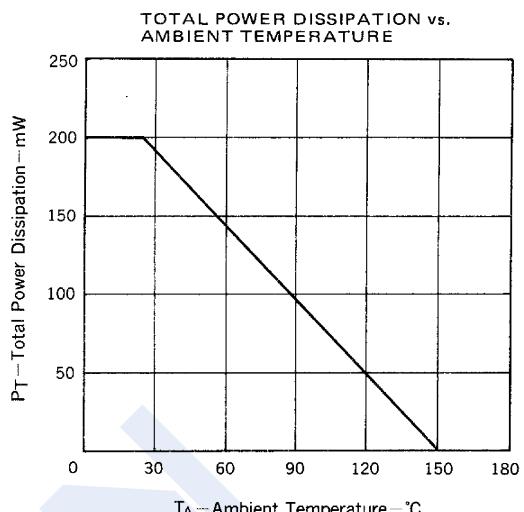
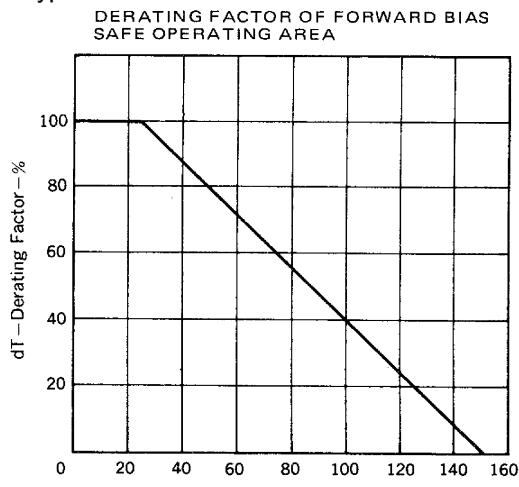
#### ■ Marking

Marking	H14
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## P-Channel MOSFET

2SJ203

## ■ Typical Characteristics



## P-Channel MOSFET

2SJ203

## ■ Typical Characteristics

