

این دیتاشیت توسط توکل الکترونیک تهیه و ارائه شده است.

جهت مشاهده قیمت، موجودی و ثبت سفارش این قطعه به وبسایت توکل الکترونیک مراجعه فرمایید.

مشاهده قیمت و خرید
برای خرید و مشاهده سایر محصولات کلیک کنید

Ordering number:EN4316

P-Channel Silicon MOSFET

2SJ306

SANYO

Ultrahigh-Speed Switching Applications

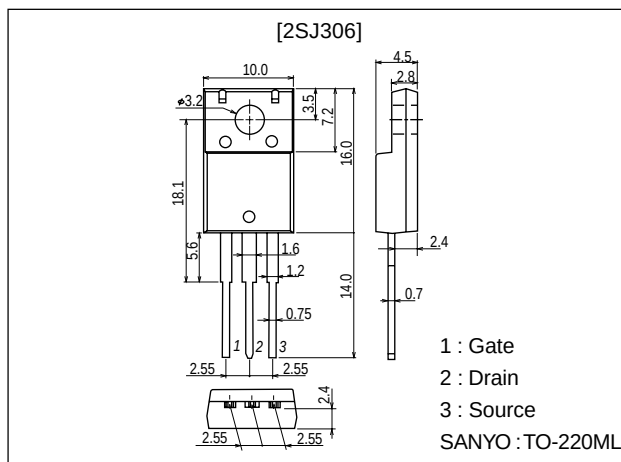
Features

- Low ON resistance.
- Ultrahigh-speed switching.
- Low-voltage drive.
- Micaless package facilitating mounting.

Package Dimensions

unit:mm

2063A



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)	I _D		-3	A
Drain Current (Pulse)	I _{DP}	PW≤10μs, duty cycle≤1%	-12	A
Allowable Power Dissipation	P _D		2.0	W
		Tc=25°C	25	W
Channel Temperature	T _{ch}		150	°C
Storage Temperature	T _{stg}		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
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	I _{DSS}	V _{DS} =-250V, V _{GS} =0			-100	μA
Gate-to-Source Leakage Current	I _{GSS}	V _{GS} =±25V, V _{DS} =0			±10	μA
Cutoff Voltage	V _{GS(off)}	V _{DS} =-10V, I _D =-1mA	-1.5		-2.5	V
Forward Transfer Admittance	y _{fs}	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

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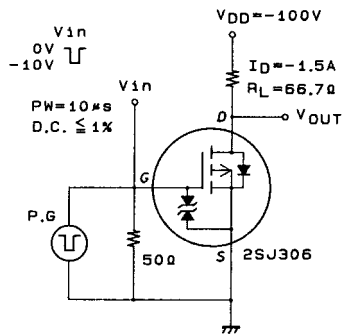
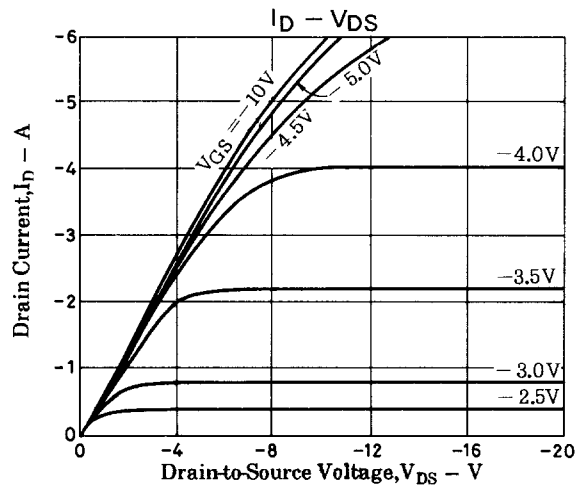
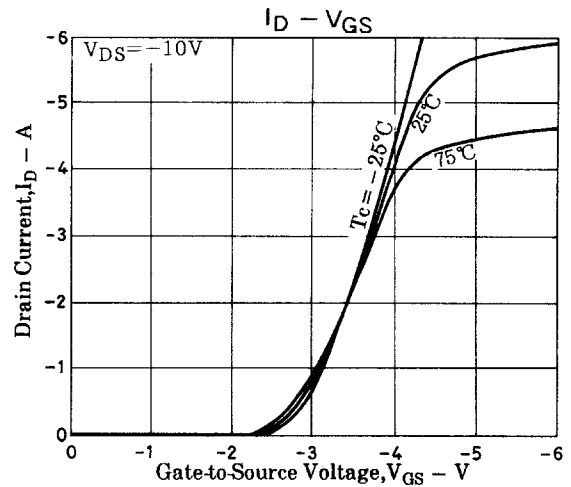
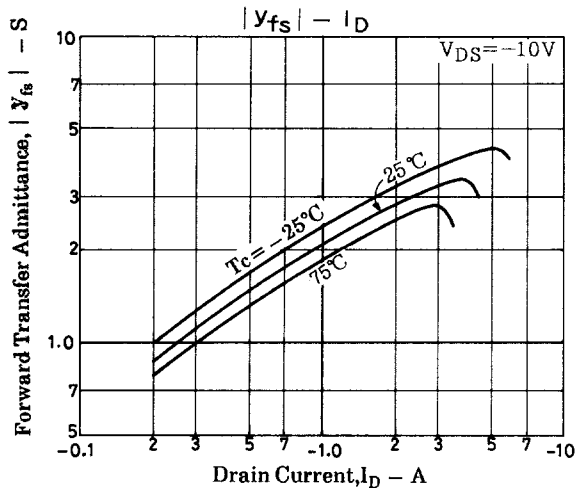
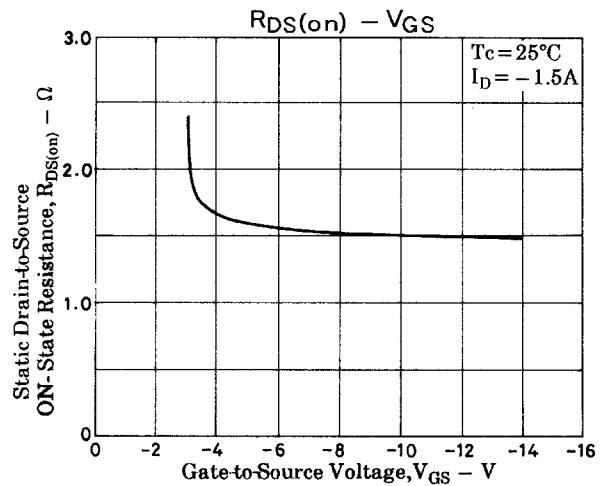
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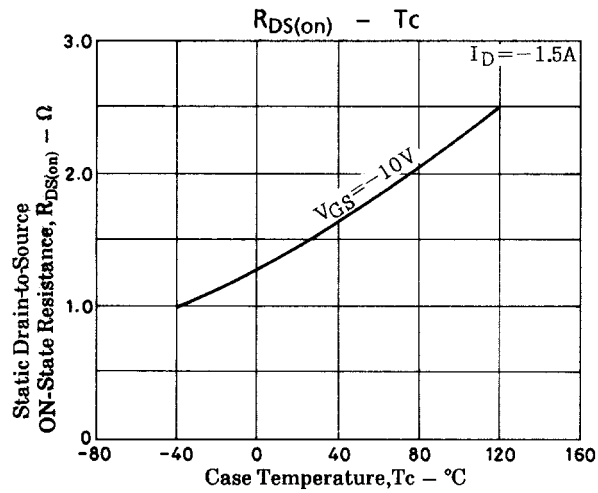
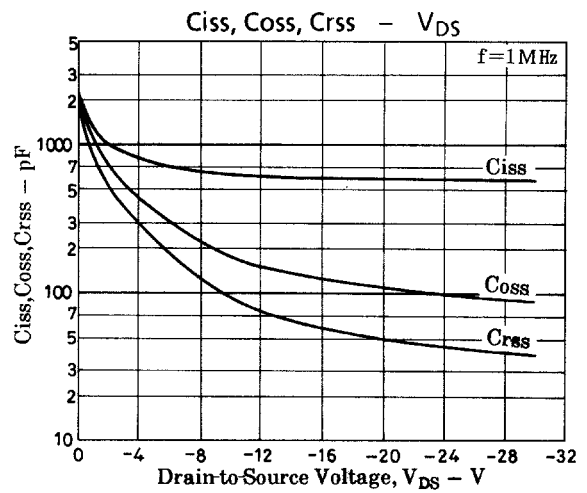
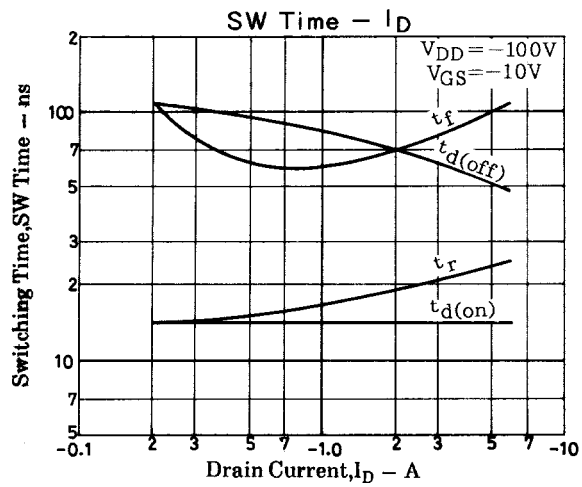
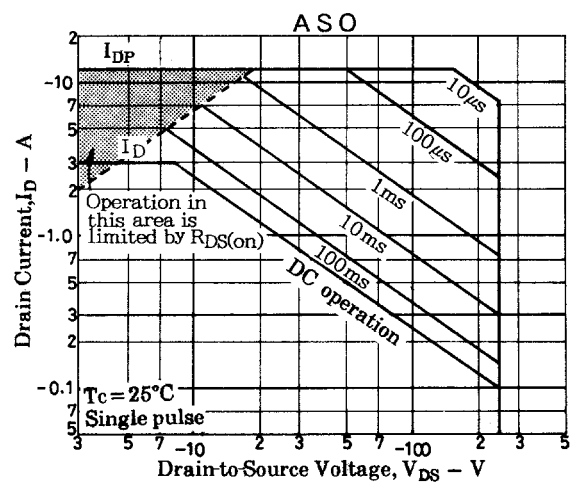
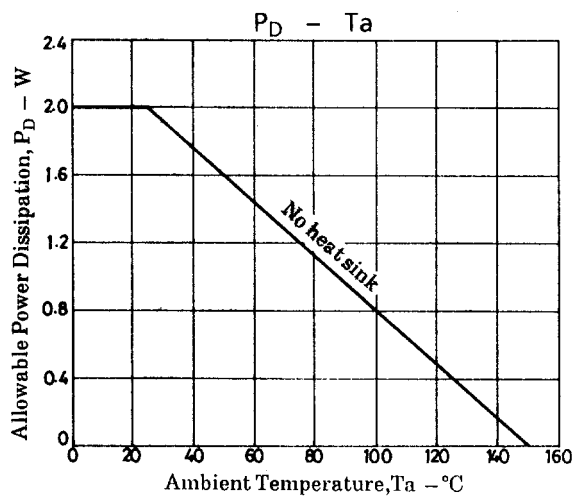
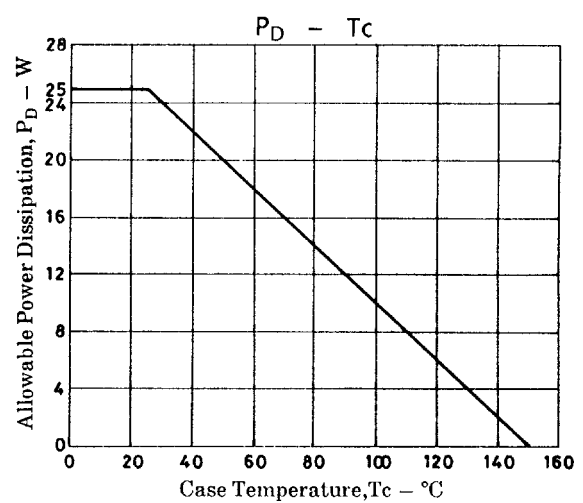
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Input Capacitance	C_{iss}	$V_{DS} = -20V, f = 1MHz$		600		pF
Output Capacitance	C_{oss}	$V_{DS} = -20V, f = 1MHz$		110		pF
Reverse Transfer Capacitance	C_{rss}	$V_{DS} = -20V, f = 1MHz$		50		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	$t_{d(off)}$	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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