2SJ0536

Silicon P-Channel MOS FET

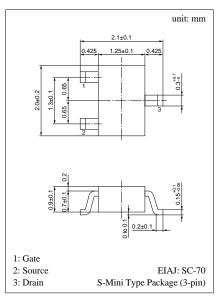
Secondary battery pack (Li ion battery, etc.) For switching

Features

- High-speed switching
- S-mini type package, allowing downsizing of the sets and automatic insertion through the tape/magazine packing.
- Low-voltage drive (V_{th} : -1 to 2V)
- Low Ron

Parameter	Symbol	Ratings	Unit				
Drain to Source voltage	V _{DS}	-30	V				
Gate to Source voltage	V _{GSO}	±20	V				
Drain current	I _D	-100	mA				
Max drain current	I _{DP}	-200	mA				
Allowable power dissipation	P _D	150	mW				
Channel temperature	T _{ch}	150	°C				
Storage temperature	T _{stg}	-55 to +150	°C				

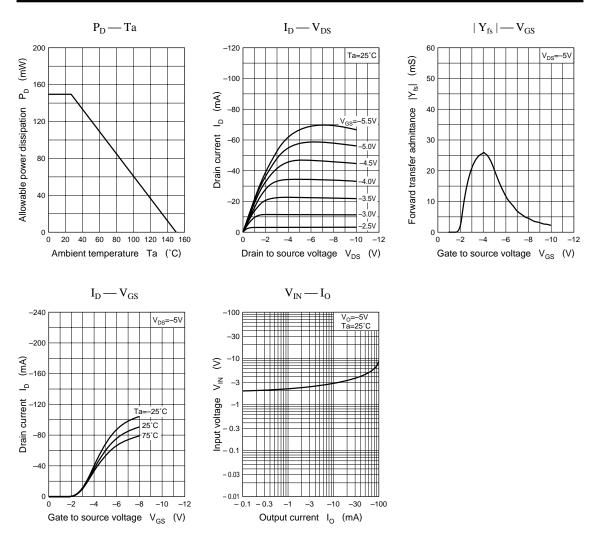
■ Absolute Maximum Ratings (Ta = 25°C)



Marking Symbol: 2C

Parameter	Symbol	Conditions	min	typ	max	Unit
Drain current	I _{DSS}	$V_{DS} = -30V, V_{GS} = 0$			- 0.1	μΑ
Gate cut-off current	I _{GSS}	$V_{GS} = \pm 20V, V_{DS} = 0$			±1	μΑ
Gate threshold voltage	V _{th}	$V_{DS} = -5V, I_D = -1\mu A$	-1		-2	V
Forward transfer admittance	$ \mathbf{Y}_{\mathrm{fs}} $	$V_{DS} = -5V, I_D = -10mA$	8			mS
Drain to source ON-resistance	R _{DS(on)}	$V_{GS} = -5V, I_D = -10mA$		50	75	Ω
Turn-on time	t _{on}	$V_{DD} = -5V$, $V_{GS} = -5$ to $0V$, $R_L = 200\Omega$		100		μs
Turn-off time	t _{off}	$V_{DD} = -5V$, $V_{GS} = -5$ to $0V$, $R_L = 200\Omega$		25		μs

■ Electrical Characteristics (Ta = 25°C)



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