2SJ0164 (2SJ164)

Silicon P-channel junction FET

For switching circuits Complementary to 2SK1104

Features

- Low ON resistance
- Low-noise characteristics

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Gate-drain surrender voltage	V_{GDS}	65	V
Drain current	I_D	-20	mA
Gate current	I_G	-10	mA
Power dissipation	P_{D}	300	mW
Channel temperature	T _{ch}	150	S.c
Storage temperature	T _{stg}	-55 to +150	°C/

Package

- Code NS-A1

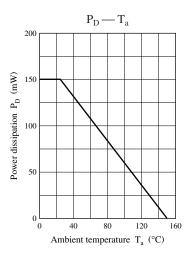
Low ON resistanceLow-noise characteristics			• Code NS-A1		line		
			• Pin Na	ıme			
■ Absolute Maximum Ratin	gs $T_a = 2$	5°C	1: Sour)		
Parameter	Symbol	Rating	Unit 2: Gate V 3: Draft mA mA	,00,	\.		
Gate-drain surrender voltage	V _{GDS}	65	V 3: Drai	<i>b</i> , 70			
Drain current	I_D	-20	mA mA mW P°CONAIO Technalo Calls	9,			
Gate current	I_G	-10	mA C		~6	5 .	
Power dissipation	P_{D}	300	mW CO		KILO		
Channel temperature	T _{ch}	150	S.C. M	(Э,		
Storage temperature	T _{stg}	-55 to +150	Color Wy	163			
■ Electrical Characteristics	TI OFOC						
	100	<u>A </u>	contact our secondary	Min			Unit
Parameter	Symbo		onditions	Min 65	Тур	Max	Unit V
	Symbo	$r_{\rm G} = 10$ kg	onditions				
Parameter Office Gate-drain surrender Vallage	Symbo	$V_{DS} = -10$	conditions , V _{DS} = 0	65		Max	V
Parameter Office Gate-drain surrender Valage Office Drain-source current	Symbo V _{GDS}	$V_{DS} = -10$ $V_{DS} = 30$	Conditions $V_{DS} = 0$ $V_{SS} = 0$	65		Max -6.0	V mA
Parameter Gate-drain surrender voltage Drain-source cuteff Gate-source cutoff cuttent Gate-source cutoff voltage Muttal conductance	Symbo GDS I _D SS VGSS V _G SO	$V_{DS} = -10$ $V_{DS} = -10$ $V_{DS} = -10$	Conditions $V_{DS} = 0$ $V_{S} = 0$ $V_{S} = 0$ $V_{S} = 0$	65	Тур	-6.0	V mA nA
Parameter Gate-drain surrender voltage Drain-source current Gate-source cutoff current Gate-source cutoff voltage	Symbo GDS I _D SS VGSS V _G SO	$I_{G} = 10$ $V_{DS} = 10$ $V_{DS} = 30$ $V_{DS} = -10$ $V_{DS} = -10$	Conditions $V, V_{DS} = 0$ $V, V_{GS} = 0$ $V, V_{DS} = 0$ $V, V_{DS} = 0$ $V, I_{D} = -10 \ \mu A$	65 - 0.6	Typ 1.5	-6.0	V mA nA V
Parameter Gate-drain surrender voltage Drain-source cutern Gate-source cutoff cuttent Gate-source cutoff voltage Muttal conductance Short-circuit forward ransfer capacita	Symbo GDS I _D SS V _{GS} V _{GS}	$I_{G} = 10$ $V_{DS} = 10$ $V_{DS} = 30$ $V_{DS} = -10$ $V_{DS} = -10$	conditions $V, V_{DS} = 0$ $V, V_{GS} = 0$ $V, V_{DS} = 0$ $V, I_{D} = -10 \mu A$ $V, I_{D} = -1 mA, f = 1 kHz$	65 - 0.6	1.5 2.5	-6.0	V mA nA V mS

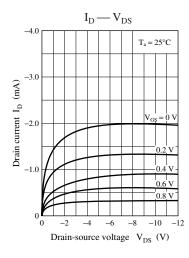
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

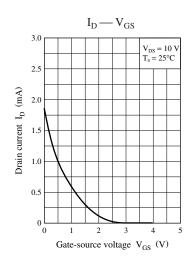
- 2. Observe precautions for handling. Electrostatic sensitive devices.
- 3. *: Rank classification

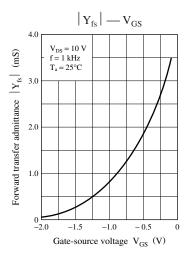
Rank	Р	Q	R
I _{DSS} (mA)	- 0.6 to -1.5	-1.0 to -3.0	-2.5 to -6.0

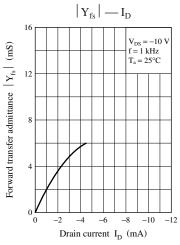
Note) The part number in the parenthesis shows conventional part number.

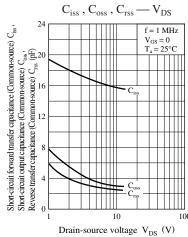






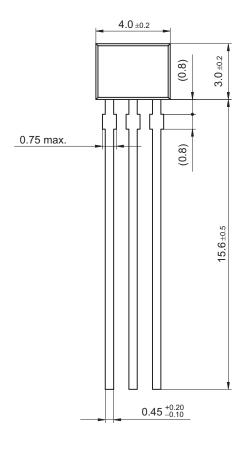


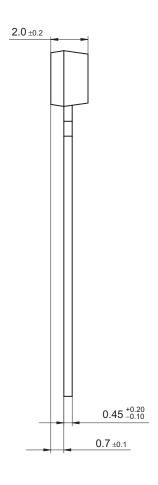


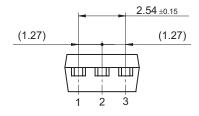


2 SJF00002CED

NS-A1 Unit: mm







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