imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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Contact us

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ineup

2SJ0164 (2SJ164)

Silicon P-channel junction FET

For switching circuits Complementary to 2SK1104

Features

- Low ON resistance
- Low-noise characteristics

Absolute Maximum Ratings $T_a = 25^{\circ}C$

Abaaluta Maximum Dat	ingo T	500		• Pin Name
Absolute Maximum Rat Parameter	Symbol	Rating	Unit	- 1: Source 2: Gate
	,	0	Unit	- 3: Dram
Gate-drain surrender voltage	V _{GDS}	65	V	- (1 × 10
Drain current	ID	-20	mA	
Gate current	I _G	-10	mA	
Power dissipation	PD	300	mW	A A AN
Channel temperature	T _{ch}	150	°°°,	N . O CO.
Storage temperature	T _{stg}	-55 to +250	C,C	AN NOS
		S	C	

 Electrical Characteristics T. 225°C ±3°C 										
Parameter Symbol Sounditions	Min	Тур	Max	Unit						
	IVIIII	тур	IVIAX	Unit						
Gate-drain surrender voltage $V_{GDS} \times V_G = 10$ kA, $V_{DS} = 0$	65			V						
Drain-source current $V_{DS} = -10 \text{ V}, \text{ V}_{GS} = 0$	- 0.6		-6.0	mA						
Gate-source cutoff curtent V_{GSS} , $V_{GS} = 30 \text{ V}$, $V_{DS} = 0$			10	nA						
Gate-source cutoff voltage V_{GS} $V_{DS} = -10 \text{ V}, \text{ I}_D = -10 \mu\text{A}$		1.5	3.5	V						
Mutual conductance $V_{DS} = -10 \text{ V}, I_D = -1 \text{ mA}, f = 1 \text{ k}$	Hz 1.8	2.5		mS						
Short-circuit forward mansfer capacitance C_{iss} $V_{DS} = -10 \text{ V}, V_{GS} = 0, f = 1 \text{ MHz}$		10		pF						
(Common source)										
Reverse transfer capacitance Crss		3		pF						
(Common source)										
Drain-source ON resistance $R_{DS(on)}$ $V_{DS} = -10 \text{ mV}, V_{GS} = 0$		300		Ω						

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	

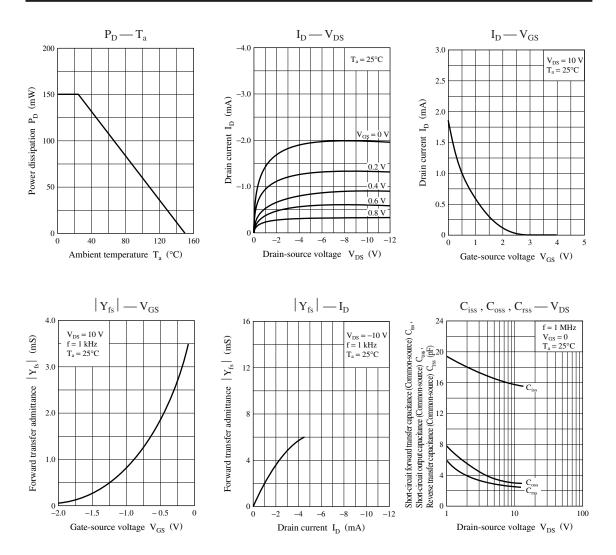
Note) The part number in the parenthesis shows conventional part number.

Package

Pin Name

 Code NS-A1

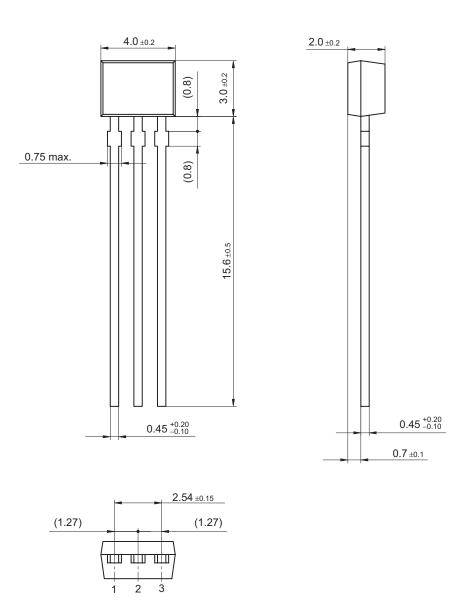
2SJ0164



Panasonic

NS-A1

Unit: mm



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