

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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2SJ0163 (2SJ163)

Silicon P-channel junction FET

For switching circuits
Complementary to 2SK1103

■ 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	150	mW	
Channel temperature	T_{ch}	150	°C	
Storage temperature	T_{stg}	-55 to +150	°C	

Package

- Code Mini3-G1
- Pin Name
 - 1: Source
 - 2: Drain
- 3: Gate
- Marking Symbol: 4M

■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

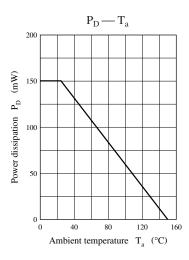
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Gate-drain surrender voltage	V _{GDS}	$I_G = 10 \mu\text{A}, V_{DS} = 0$	65	0,		V
Drain-source current *	$I_{ m DSS}$	$V_{DS} = -10 \text{ V}, V_{GS} = 0$	- 0.6	<i>)</i> -	-6.0	mA
Gate-source cutoff current	I_{GSS}	$V_{GS} = 30 \text{ V}, V_{DS} = 0$	1.90		10	nA
Gate-source cutoff voltage	V_{GSC}	$V_{DS} = -10 \text{ V}, I_D = -10 \mu A$		1.5	3.5	V
Forward transfer admittance	Y _{fs}	$V_{DS} = -10 \text{ V}, I_D = -1 \text{ mA}, f = 1 \text{ kHz}$	1.8	2.5		mS
Drain-source ON resistance	R _{DS(on)}	$V_{DS} = -10 \text{ mV}, V_{GS} = 0$		300		Ω
Short-circuit forward transfer capacitance	C _{iss}	$V_{DS} = -10 \text{ V}, V_{GS} = 0, f = 1 \text{ MHz}$		12		pF
(Common source)		84, 1/1/20				
Reverse transfer capacitance	C _{rss}	25° 410°		4		pF
(Common source)						

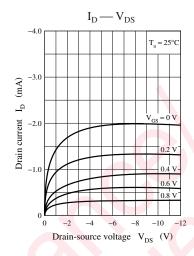
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

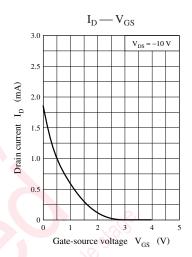
- 2. Observe precautions for handling. Electrostatic sensitive devices.
- 3. *: Rank classification

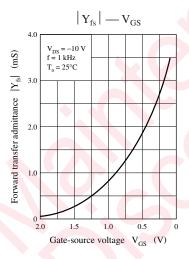
Rank	Р	Q	R
I _{DSS} (mA)	- 0.6 to -1.5	−1.0 to −3.0	-2.5 to -6.0

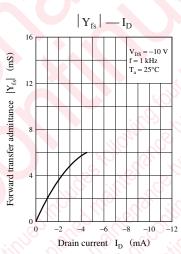
Note) The part number in the parenthesis shows conventional part number.

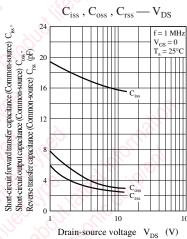






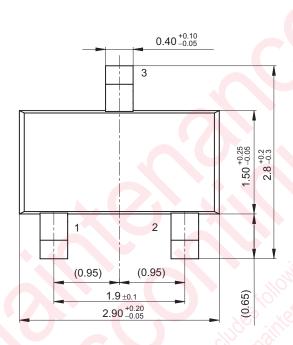


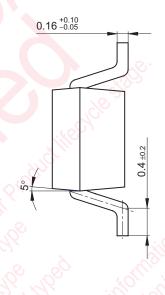


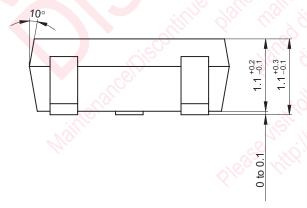


2 SJF00001DED

Mini3-G1 Unit: mm







SJF00001DED 3

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