#### 捷多邦,专业PCB打样工厂,24小时加急出货



N-Channel Junction Silicon FET

## 2SK303

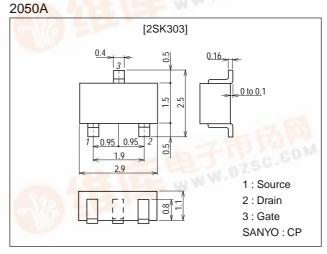
# Low-Frequency General-Purpose Amplifier Applications

## **Features**

• Ideal for potentiometers, analog switches, low frequency amplifiers, constant current supplies, and impedance conversion.

## Package Dimensions

unit:mm



## **Specifications**

### Absolute Maximum Ratings at Ta = 25°C

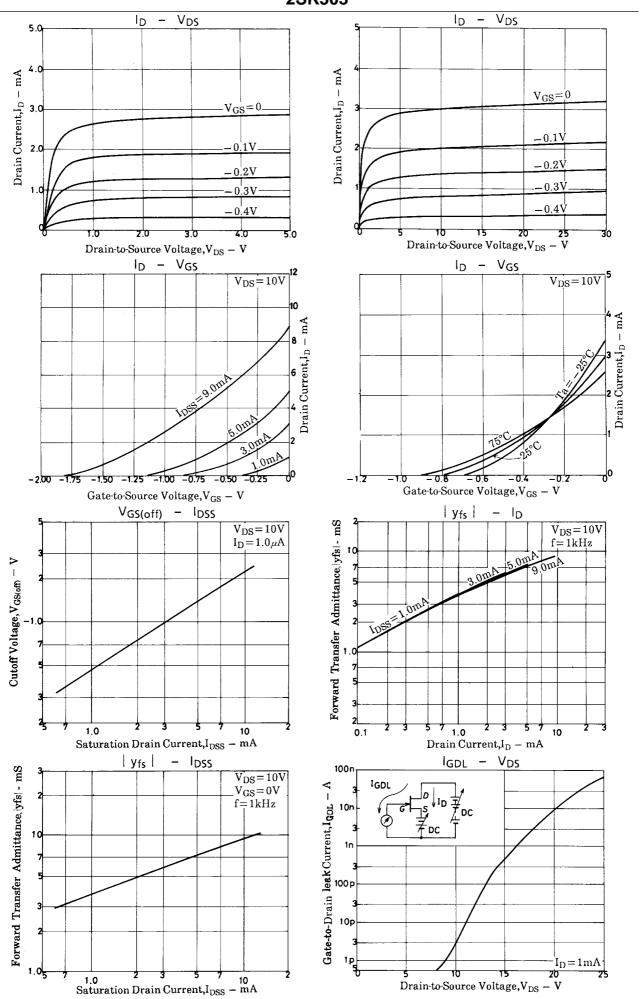
Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	VDSS		30	V
Gate-to-Drain Voltage	V <sub>GDS</sub>		-30	V
Gate Current	١ <sub>G</sub>		10	mA
Drain Current	۱ <sub>D</sub>		20	mA
Allowable Power Dissipation	PD		200	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

#### Electrical Characteristics at Ta = 25°C

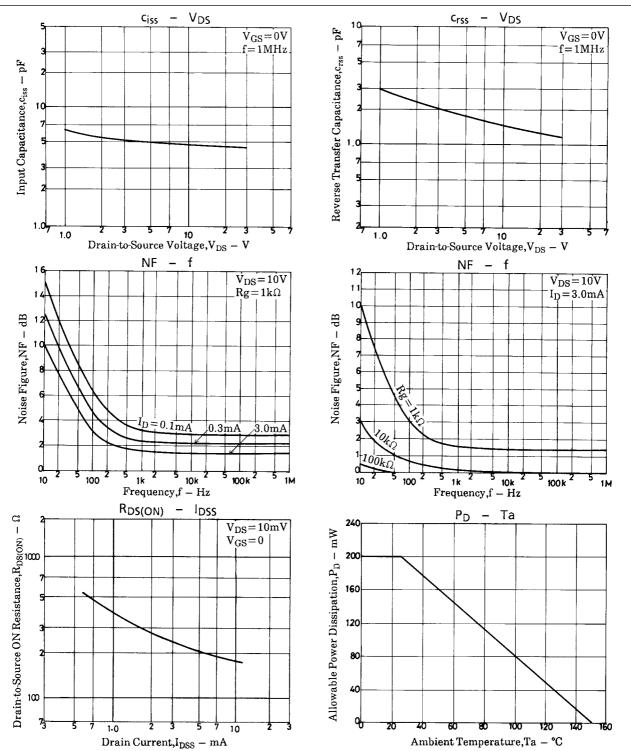
Parameter	Symbol	Conditions								Ratings				Unit	
Falameter	Symbol	Conditions					mir	۱	typ	max					
Gate-to-Drain	V(BR)GDS	I <sub>G</sub> =-10μA									- 1	30			V
Gate-to-Source Leakage Current	IGSS	V <sub>GS</sub> =-20V												-1.0	nA
Zero-Gate Voltage Drain Current	IDSS*	V <sub>DS</sub> =10V, V <sub>GS</sub> =0									0	.6*		12.0*	mA
Cutoff Voltage	VGS(off)	V <sub>DS</sub> =10V, I <sub>D</sub> =1µA										_	-1	-4	V
Forward Transfer Admittance	yfs	V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1MHz									2	2.5	6.0	100	mS
Input Capacitance	Ciss	V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1MHz										- 1	5	201	pF
Reverse Transfer Capacitance	Crss	V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1MHz									1		1.5		pF
Drain-to-Source ON Resistance	R <sub>DS(ON)</sub>	V <sub>DS</sub> =10mV, V <sub>GS</sub> =0											250		Ω
* : The 2SK303 is classified by I <sub>DSS</sub> as follows ( Note Marking : V I <sub>DSS</sub> rank : 2, 3, 4, 5	unit : mA).	0.6	2	1.5	1.2	3	3.0	2.5	4	6.0	5.0	5	12.0	1	

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2SK303



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