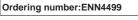
### 捷多邦,专业PCB打样工厂,24小时加急出货

查询2SK2074供应商



N-Channel Junction Silicon FET

# 2SK2074



## **Applications**

- · AM tuner RF amplifier applications.
- · Low-noise amplifier.

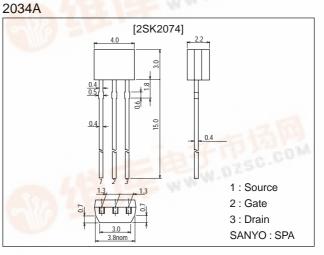
### **Features**

- $\cdot$  Large | y<sub>fs</sub> |.
- · Small Ciss.
- · Ultralow noise figure.

### **Package Dimensions**

unit:mm

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## **Specifications**

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

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	V <sub>DSX</sub>		15	V
Gate-to-Drain Voltage	V <sub>GDS</sub>		-15	V
Gate Current	١ <sub>G</sub>		10	mA
Drain Current	۱ <sub>D</sub>		50	mA
Allowable Power Dissipation	PD		300	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

### Electrical Characteristics at Ta = 25°C

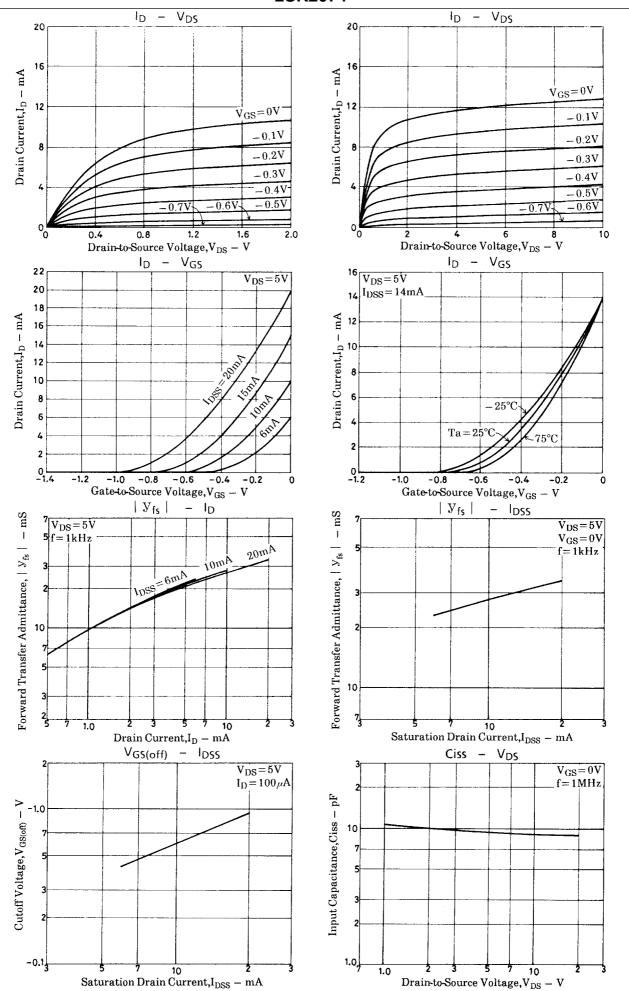
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Onit
Gate-to-Drain Breakdown Voltage	V(BR)GDS	$I_{G}=-10\mu A, V_{DS}=0$	-15			V
Zero-Gate Voltage Drain Current	IDSS	V <sub>DS</sub> =5V, V <sub>GS</sub> =0	6.0*		20.0*	mA
Gate-to-Source Leakage Current	IGSS	V <sub>GS</sub> =-10V, V <sub>DS</sub> =0			-1.0	nA
Cutoff Voltage	VGS(off)	V <sub>DS</sub> =5V, I <sub>D</sub> =100µA	-0.3	-0.6	-1.2	V
Forward Transfer Admittance	yfs	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1kHz	20	30	- C. 1	mS
Input Capacitance	Ciss	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1MHz	10	9.5	200	pF
Reverse Transfer Capacitance	Crss	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1MHz	11.44	2.7		pF
Noise Figure	NF	$V_{DS}=5V$ , Rg=1k $\Omega$ , I <sub>D</sub> =1mA, f=1MHz		0.5		dB

\* : The 2SK2074 is classified by I<sub>DSS</sub> as follows : (unit : mA).

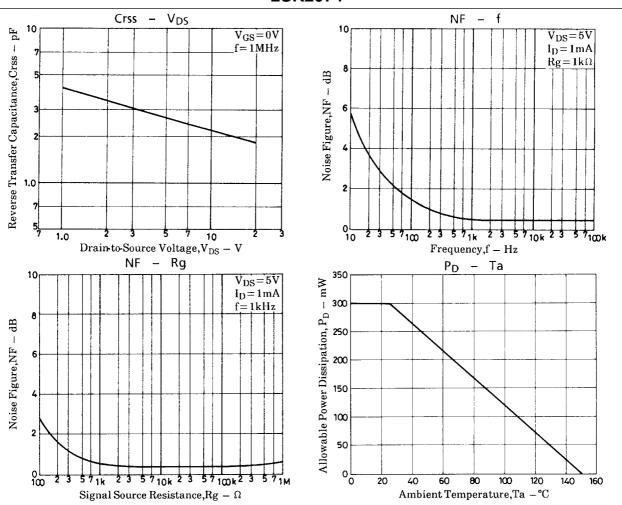
6.0 F 12.0 10.0 G 20.0

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2SK2074



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