捷多邦,专业PCB打样工厂,24小时加急出货



N-Channel Junction FET

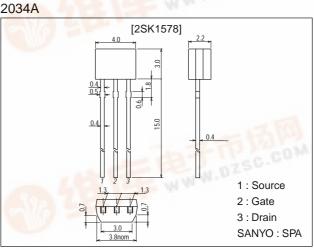
Capacitor Microphone Applications

Features

- Especially suited for use in audio, telephone capacitor microphones.
- · Excellent voltage characteristics.
- \cdot Excellent transient characteristics.
- Adoption of FBET process.

Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Gate-to-Drain Voltage	V _{GDO}		-20	V
Gate Current	IG		10	mA
Drain Current	۱ _D		1	mA
Allowable Power Dissipation	PD	The second se	100	mW
Channel Temperature	Tj	and the second	150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Gate-to-Drain Breakdown Voltage	V(BR)GDO	I _G =-100µA	-20			V
Cutoff Voltage	VGS(off)	$V_{DS}=5V, I_{D}=1\mu A$	-0.2	-0.6	-1.5	V
Zero-Gate Votlage Drain Current	IDSS	V _{DS} =5V, V _{GS} =0	100*		800*	μA
Forward Transfer Admittance	yfs	V _{DS} =5V, V _{GS} =0, f=1MHz	0.4	1.2	1 L	mS
Input Capacitance	Ciss	V _{DS} =5V, V _{GS} =0, f=1MHz		4.1		pF
Reverse Transfer Capacitance	Crss	V _{DS} =5V, V _{GS} =0, f=1MHz	22-	0.88	a C.	pF
* : The 2SK1578 is classified by I _{DSS} as follows	: (unit : µA)	a substantia		10.10		

100 A 170 150 B 240 210 C 350 320	D 480	440 E 8	00
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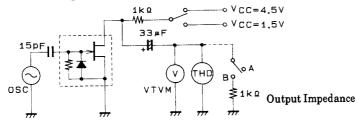
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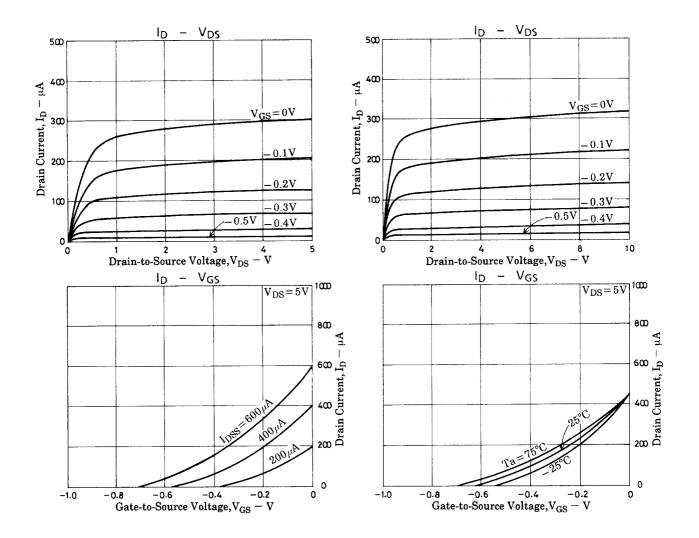
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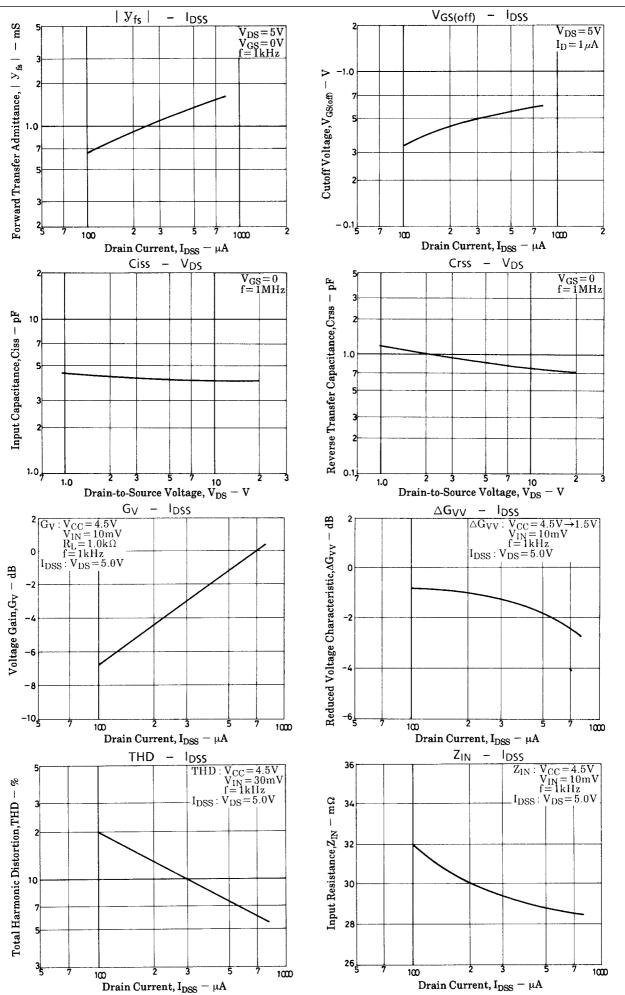
Parameter	Symbol	Conditions		Ratings		
			min	typ	max	Unit
[Ta=25°C, V _{CC} =4.5V, R _L =1kΩ, C _{IN} =15pF, See sp	ecified Test Ci	rcuit.]	ł			
Voltage Gain	GV	V _{IN} =10mV, f=1kHz		-3.0		dB
Reduced Voltage Characteristics	ΔG_{VV}	V_{IN} =10mV, f=1kHz, V_{CC} =4.5 \rightarrow 1.5V		-1.2	-3.5	dB
Frequency Characteristics	ΔG_{Vf}	f=1kHz to 110Hz			-1.0	dB
Input Resistance	Z _{IN}	f=1kHz	25			mΩ
Output Resistance	ZO	f=1kHz			700	Ω
Total Harmonic Distortion	THD	V _{IN} =10mV, f=1kHz		1.0		%
Output Noise Voltage	V _{NO}	V _{IN} =0, A curve			-110	dB

Test Circuit

Voltage Gain Frequency Characteristics Distortion Reduced Voltage Characteristics

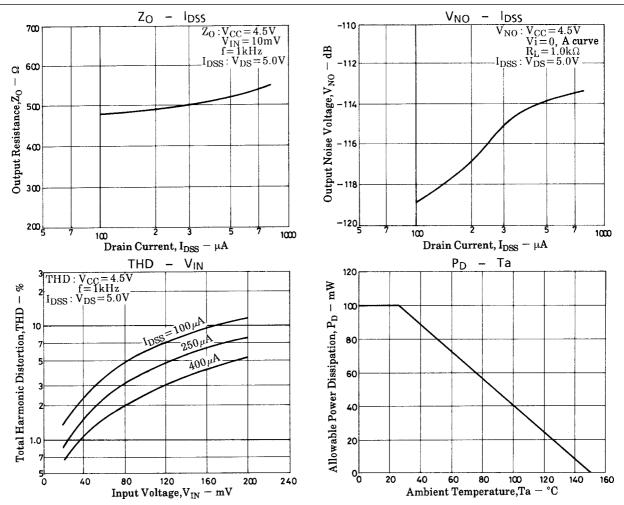






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