捷多邦,专业PCB打样工厂,24小时加急出货



N-Channel Junction Silicon FET

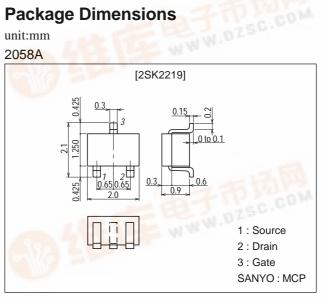
2SK2219 **Capacitor Microphone Applications**

Features

- · Ultrasmall-sized package permitting 2SK2219applied sets to be made small and slim.
- · Especially suited for use in audio, telephone capacitor microphones.
- · Excellent voltage characteristic. WW.DZSC.COM
- · Excellent transient characteristic.
- · 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	Ι _D		1	mA
Allowable Power Dissipation	PD		100	mW
Junction Temperature	Tj	A Real Concerned	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
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =5V, V _{GS} =0	140*		500*	μΑ
Cutoff Voltage	VGS(off)	V _{DS} =5V, I _D =1µA	-0.2	-0.6	-1.2	V
Forward Transfer Admittance	yfs	V _{DS} =5V, V _{GS} =0, f=1kHz	0.5	1,2	. 1	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	121-	0.88	a Gal	pF
* : The 2SK2219 is classified by I_{DSS} as follows	: (unit : µA)	114 15-		Contin	ued on no	ext page
140 21 240 210 22 350 320 23	500					

140 21 240 210 22 350 320 23 500

Marking : D

I_{DSS} rank : 21, 22, 23

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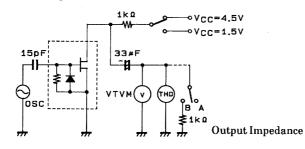
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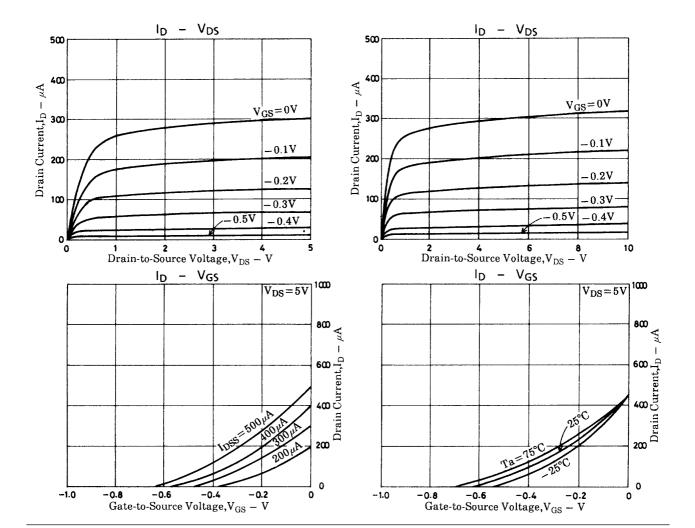
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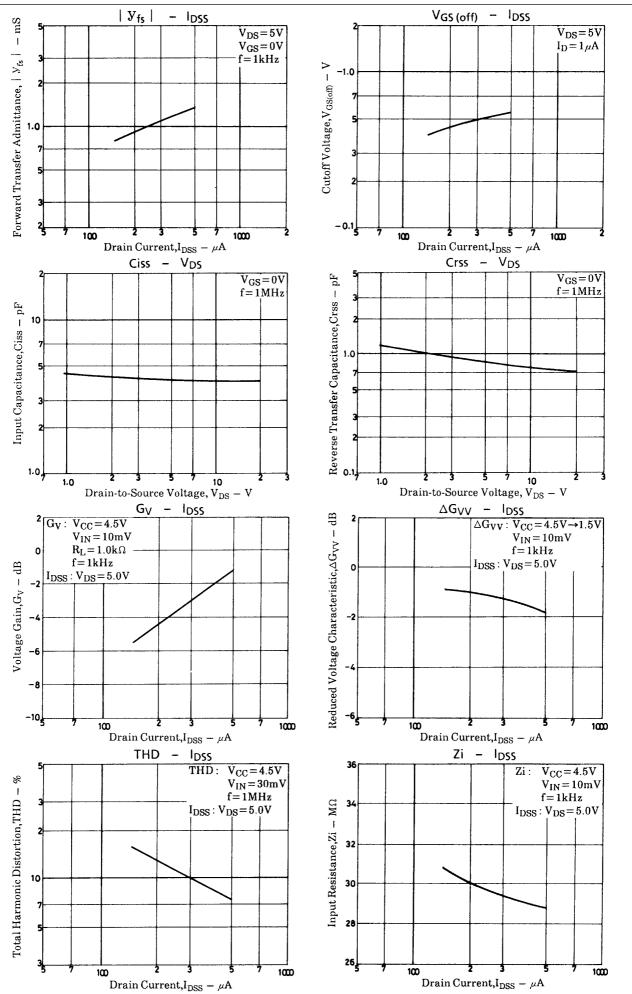
Parameter	Symbol	Conditions	Ratings			Unit		
			min	typ	max			
Ta=25°C, V _{CC} =4.5V, R _L =1kΩ, Cin=15pF, See specified Test Circuit								
Voltage Gain	GV	V _{IN} =10mV, f=1kHz		-3.0		dB		
Reduced Voltage Characteristic	ΔG_{VV}	V_{IN} =10mV, f=1kHz, V_{CC} =4.5 \rightarrow 1.5V		-1.2	-3.5	dB		
Frequency Characteristic	ΔG_{Vf}	f=1kHz to 110Hz			-1.0	dB		
Input Impedance	Zin	f=1kHz	25			MΩ		
Output Impedance	Zo	f=1kHz			700	Ω		
Total Harmonic Distortion	THD	V _{IN} =30mV, f=1kHz		1.0		%		
Output Noise Voltage	V _{NO}	V _{IN} =0, A curve			-110	dB		

Test Circuit

Voltage Gain Frequency Characteristic Distortion Reduced Voltage Characteristic

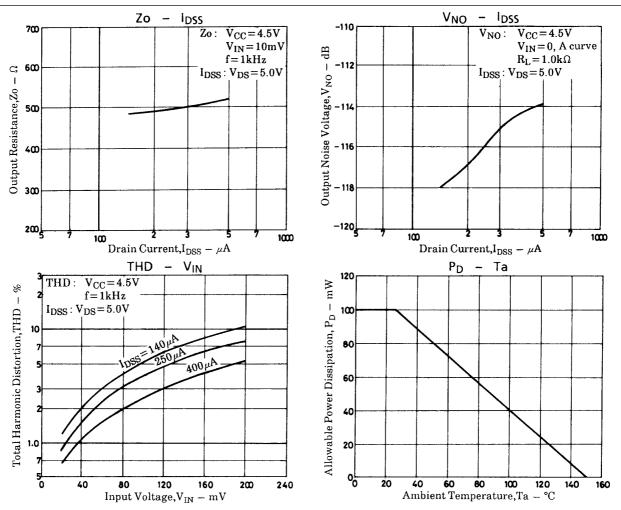






2SK2219

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