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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.

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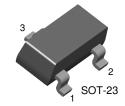




KSK595H

Capacitor Microphone Applications - Especially Suited for use in Audio, Telephone Capacitor Microphones

- Excellent Voltage Characteristic
- Excellent Transient Characteristic



1.Drain 2. Source 3. Gate

Rev. C1, October 2002

Si N-channel Junction FET

Absolute Maximum Ratings T_a =25°C unless otherwise noted

Symbol	Parameter	Ratings	Units
V_{GDO}	Gate-Drain Voltage	-20	V
I _G	Gate Current	10	mA
I _D	Drain Current	1	mA
P _D	Power Dissipation	100	mW
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

Electrical Characteristics $T_a=25$ °C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{GDO}	Gate-Drain Breakdown Voltage	I _G = -100uA	-20			V
V _{GS} (off)	Gate-Source Cut-off Voltage	$V_{DS}=5V$, $I_{D}=1\mu A$		-0.6	-1.5	V
I _{DSS}	Drain Current	$V_{DS}=5V$, $V_{GS}=0$	150		350	μΑ
IY _{FS} I	Forward Transfer Admittance	$V_{DS}=5V$, $V_{GS}=0$, $f=1MHz$	0.4	1.2		ms
C _{iss}	Input Capacitance	V _{DS} =5V, V _{GS} =0, f=1MHz		3.5		pF
C _{rss}	Output Capacitance	V _{DS} =5V, V _{GS} =0, f=1MHz		0.65		pF

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Typical Characteristics

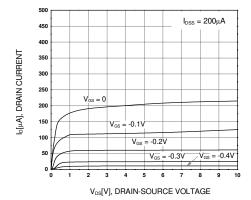


Figure 1.

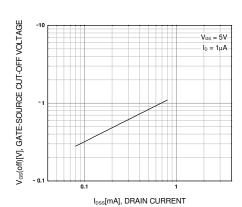


Figure 3.

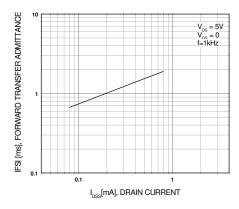


Figure 5.

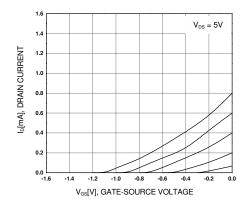


Figure 2.

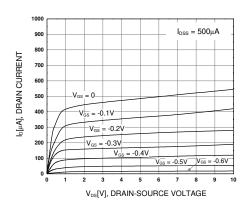


Figure 4.

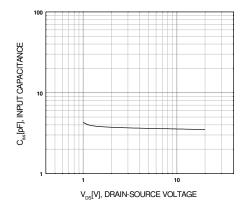


Figure 6.

Typical Characteristics (Continued)

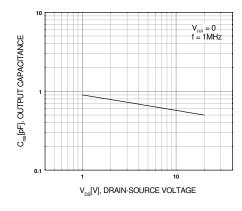


Figure 7.

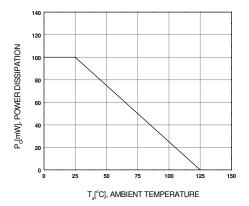
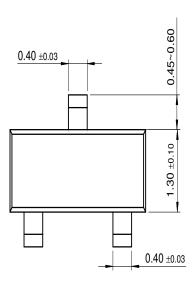
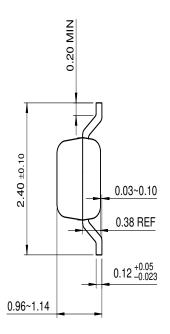


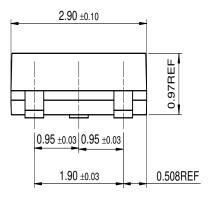
Figure 8.

Package Dimensions

SOT-23







Dimensions in Millimeters

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E ² CMOS™	HiSeC™	MSXPro™	Quiet Series™	TruTranslation™
EnSigna™	I ² C™	OCX™	RapidConfigure™	UHC™
Across the board.	Around the world.™	OCXPro™	RapidConnect™	UltraFET®
The Power Franchise™		OPTOLOGIC [®]	SILENT SWITCHER®	VCX™
Programmable Active Droop™		OPTOPLANAR™	SMART START™	

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Rev. I1

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