

Guangdong Yuejing High Technology CO.,LTD.

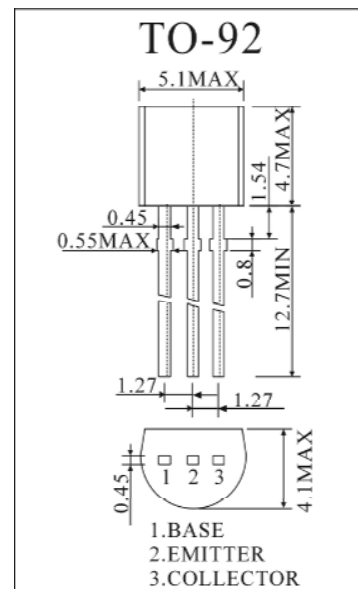
K596

—SI N-CHANNEL—

■■ APPLICATION: Capacitor Microphone Applications.

■■ MAXIMUM RATINGS (Ta=25°C)

MAXIMUM RATINGS (Ta=25°C)	SYMBOL	RATING	UNIT
Gate-Drain Voltage	V _{GDO}	-20	V
Gate Current	I _G	10	mA
Drain Current	I _D	1	mA
Power Dissipation	P _D	100	mW
Junction Temperature	T _J	125	°C
Storage Temperature Range	T _{stg}	- 55~12	°C



■■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Drain Current	I _{DSS}	100		800	μA	V _{DS} = 5 V, V _{GS} =0
Gate-Drain Breakdown Voltage	V _{(BR)GDO}	-20			V	I _G = -100 μA
Gate-Source Cut-off Voltage	V _{GS(OFF)}		-0.6	-1.5	V	V _{DS} = 5 V, I _D = 1 μA
Forward Transfer Admittance	Y _{fs}	0.4	1.2		mS	V _{DS} = 5 V, V _{GS} =0, f = 1 KHZ
Input capacitance	C _{iss}		3.5		PF	V _{DS} = 5 V, V _{GS} =0, f = 1 MHz
Output capacitance	C _{rss}		0.65		PF	V _{DS} = 5 V, V _{GS} =0, f = 1 MHz

■■ h_{FE} Classification And Marking

Classification	A	B	C	D	E
I _{DSS} (μA)	100~170	150~240	210~350	320~480	440~800