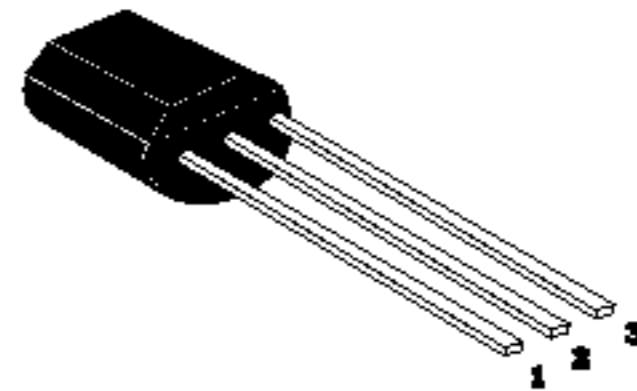




CAPACITOR MICROPHONE APPLICATIONS

- * Especially Suited For Use In Audio ,Telephone Capacitor Microphones
- * Excellent Voltage Characteristic
- * Excellent Transient Characteristic

Package: TO-92



2

ABSOLUTE MAXIMUM RATINGS at Tamb=25°C

Characteristic	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	150	mW
Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-55~150	°C

PIN: STYLE	1	2	3
	NO.1	S	G

ELECTRICAL CHARACTERISTICS at Tamb=25°C

Characteristic	Symbol	Min	Typ	Max	Unit	Test Conditions
Gate Drain Breakdown Voltage	BV_{GDO}	-20			V	$I_G=100\mu A$
Gate Source Cut Off Voltage	$V_{GS(off)}$		-0.6	-1.5	V	$V_{DS}=5V I_D=1\mu A$
Drain Current	I_{DSS}	100		800	μA	$V_{DS}=5V V_{GS}=0$
Forward Transfer Admittance	$ Y_{FS} $	0.4	1.2		ms	$V_{DS}=5V V_{GS}=0 f=1KHZ$
Input Capacitance	C_{ISS}		3.5		PF	$V_{DS}=5V V_{GS}=0 f=1MHZ$
Output Capacitance	C_{RSS}		0.65		PF	$V_{DS}=5V V_{GS}=0 f=1MHZ$

I_{DSS} CLASSIFICATION

Classification	A	B	C	D	E
$I_{DSS}(\mu A)$	100-170	150-240	210-350	320-480	440-800