



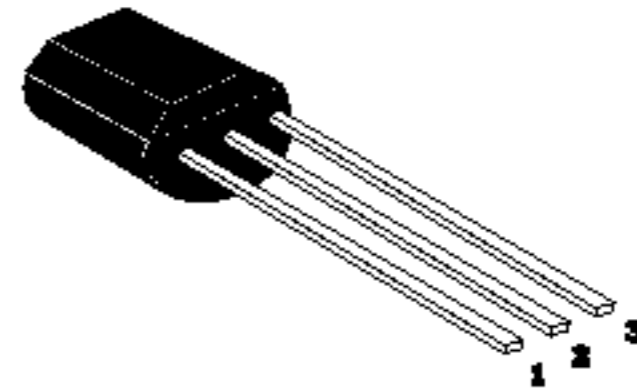
CAPACITOR MICROPHONE APPLICATIONS

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

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

Package: TO-92



PIN:	1	2	3
STYLE	S	G	D
NO.1	S	G	D

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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	$\mu A$	$V_{DS}=5V V_{GS}=0$
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