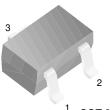


SEMICONDUCTOR®

FJX597JB

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

- Excellent Voltage Characteristic
- Excellent Transient Characteristic



SOT-323 Marking: SCB 1. Drain 2. Source 3. Gate

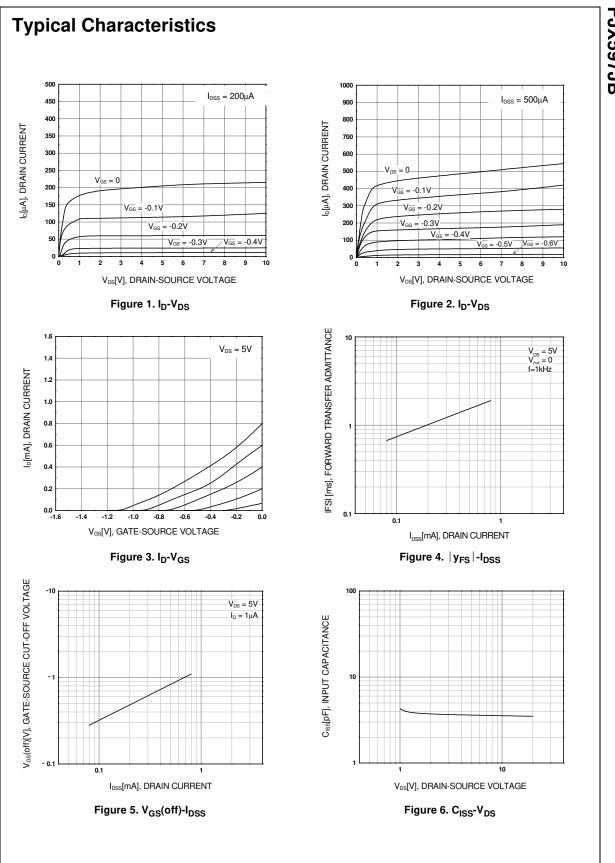
Si N-channel Junction FET

Absolute Maximum Ratings $T_a=25^{\circ}C$ unless otherwise noted

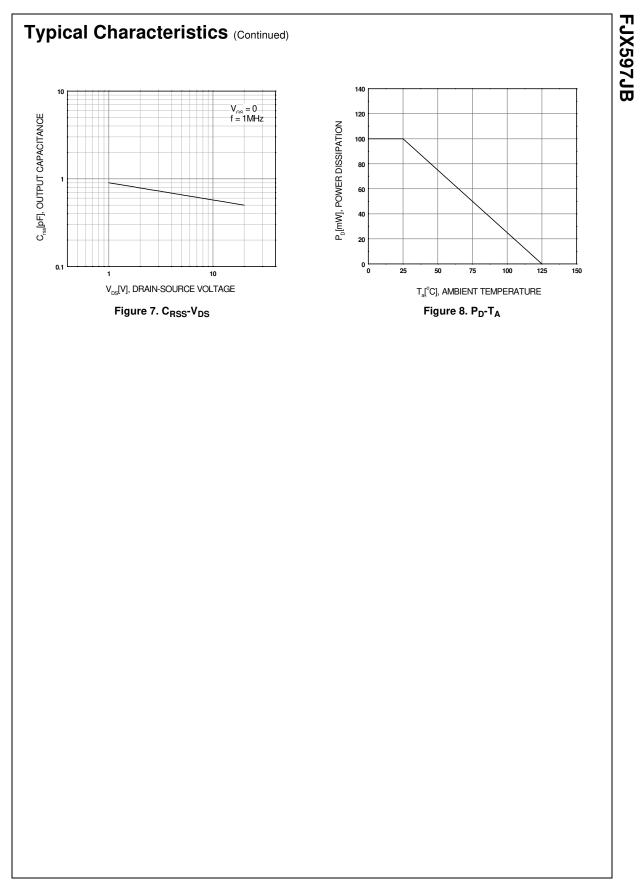
Symbol	Parameter	Ratings	
V _{GDO}	Gate-Drain Voltage	-20	V
l _G	Gate Current	10	mA
I _D	Drain Current	1	mA
P _D	Power Dissipation	100	mW
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

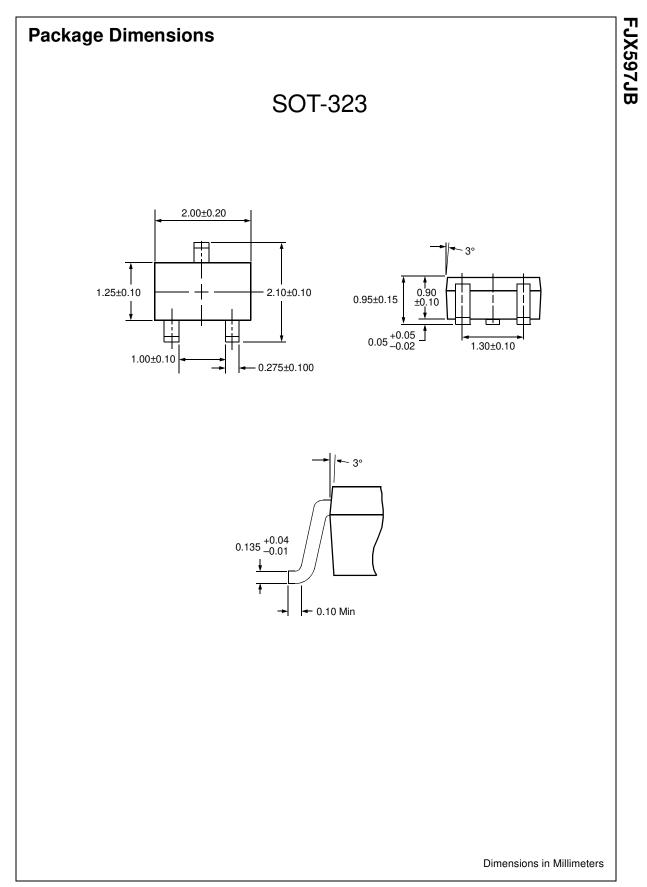
Electrical Characteristics $T_a=25^{\circ}C$ unless otherwise noted

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		240	μA
IY _{FS} I	Forward Transfer Admittance	V _{DS} =5V, V _{GS} =0, f=1MHz	0.4	1.2		mS
CISS	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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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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Definition of Terms

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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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