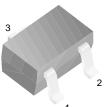


SEMICONDUCTOR®

# FJX597JH

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

- Excellent Voltage Characteristic
- Excellent Transient Characteristic



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

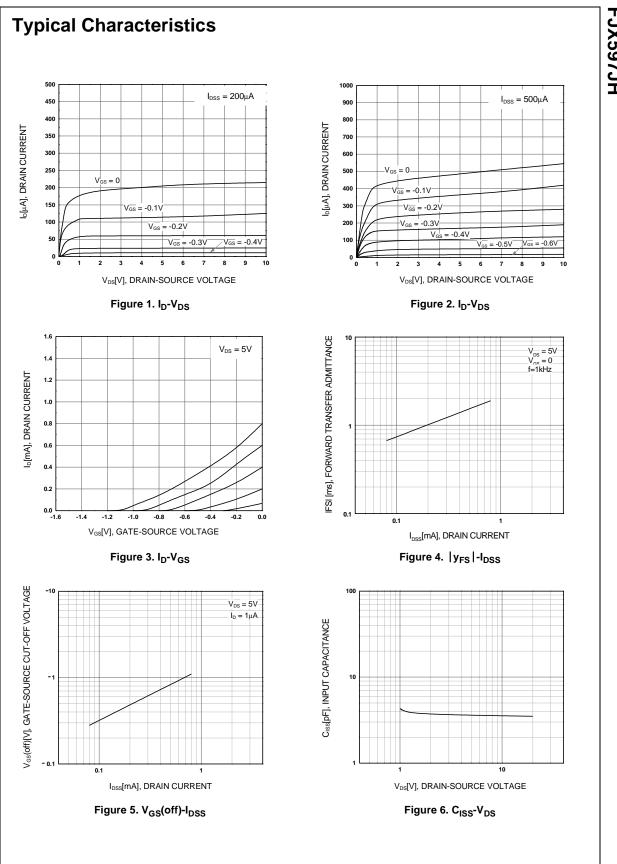
## Si N-channel Junction FET

### Absolute Maximum Ratings T<sub>a</sub>=25°C unless otherwise noted

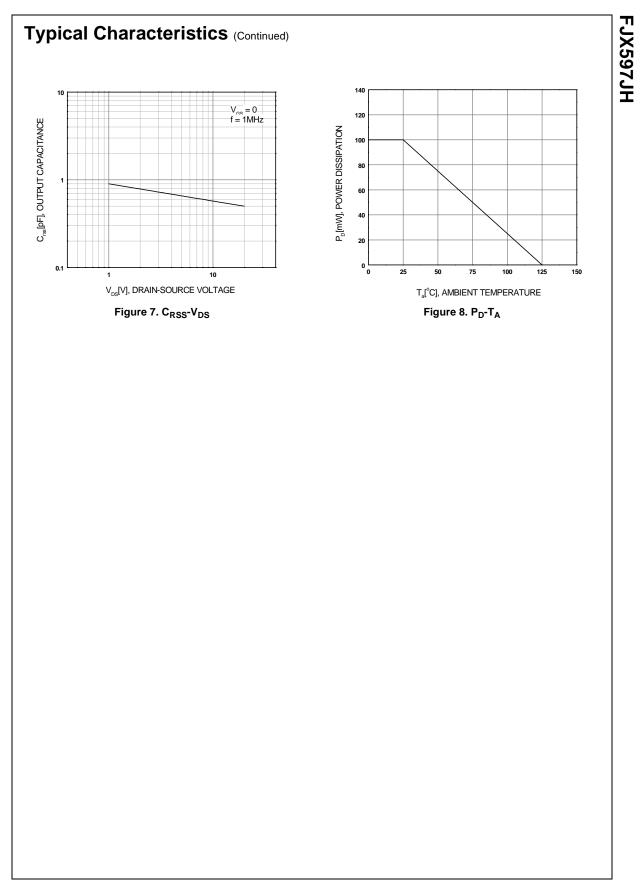
Symbol	Parameter	Ratings	
V <sub>GDO</sub>	Gate-Drain Voltage	-20	V
I <sub>G</sub>	Gate Current	10	mA
I <sub>D</sub>	Drain Current	1	mA
P <sub>D</sub>	Power Dissipation	100	mW
Т <sub>Ј</sub>	Junction Temperature	150	°C
T <sub>STG</sub>	Storage Temperature	-55 ~ 150	°C

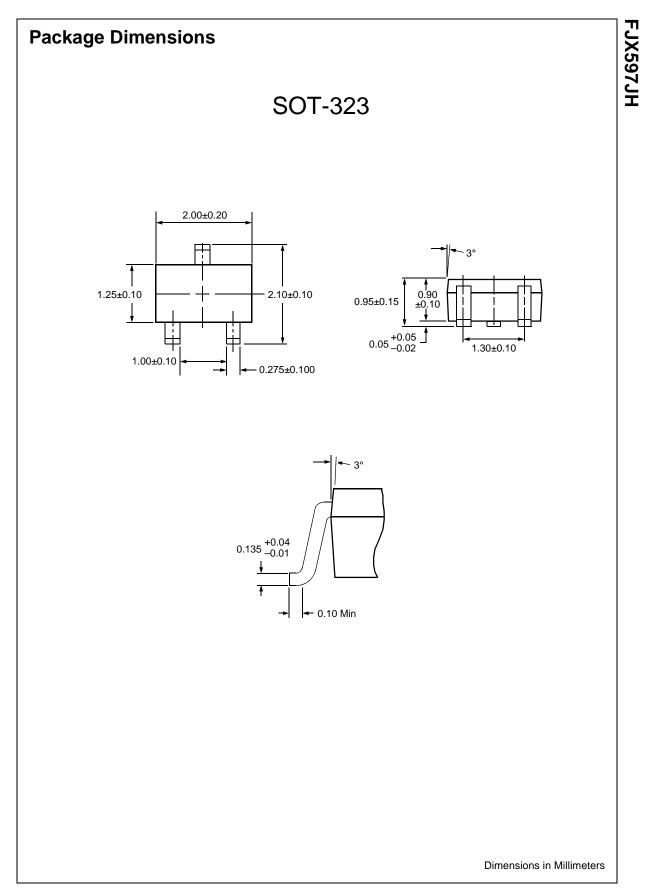
## Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV <sub>GDO</sub>	Gate-Drain Breakdown Voltage	I <sub>G</sub> = -100uA	-20			V
V <sub>GS</sub> (off)	Gate-Source Cut-off Voltage	V <sub>DS</sub> =5V, Ι <sub>D</sub> =1μΑ		-0.6	-1.5	V
I <sub>DSS</sub>	Drain Current	V <sub>DS</sub> =5V, V <sub>GS</sub> =0	150		350	μΑ
IY <sub>FS</sub> I	Forward Transfer Admittance	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1MHz	0.4	1.2		mS
C <sub>ISS</sub>	Input Capacitance	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1MHz		3.5		pF
C <sub>RSS</sub>	Output Capacitance	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1MHz		0.65		pF



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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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