

TENTATIVE TOSHIBA FIELD EFFECT TRANSISTOR SILICON N CHANNEL JUNCTION TYPE

# 2SK3321

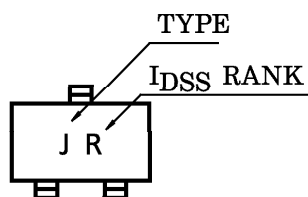
GENERAL PURPOSE AND IMPEDANCE CONVERTER AND CONDENSER MICROPHONE APPLICATIONS

- Small Package
- High Input Impedance :  $I_{GSS} = -1 \text{ nA (Max.)}$  ( $V_{GS} = -30 \text{ V}$ )
- Low Noise :  $NF = 0.5 \text{ dB (Typ.)}$  ( $R_G = 100 \text{ k}\Omega$ ,  $f = 120 \text{ Hz}$ )

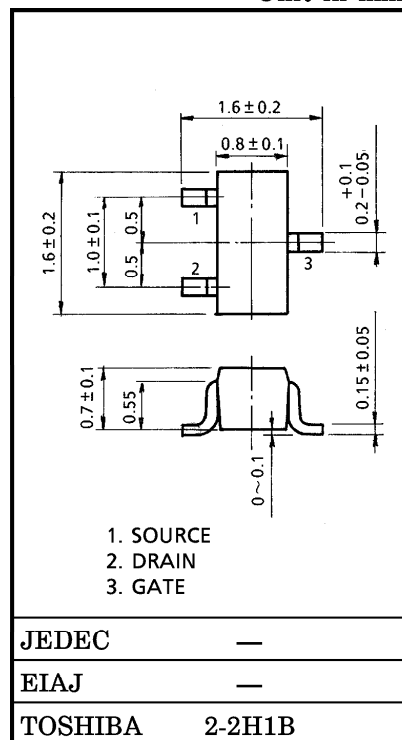
MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Gate-Drain Voltage	$V_{GDS}$	-50	V
Gate Current	$I_G$	10	mA
Drain Power Dissipation	$P_D$	100	mW
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55~125	$^\circ\text{C}$

MARKING



Unit in mm

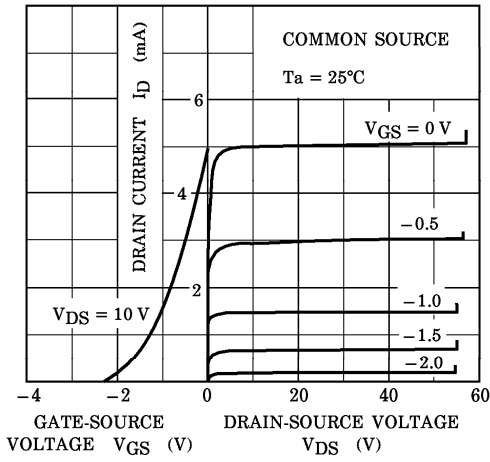


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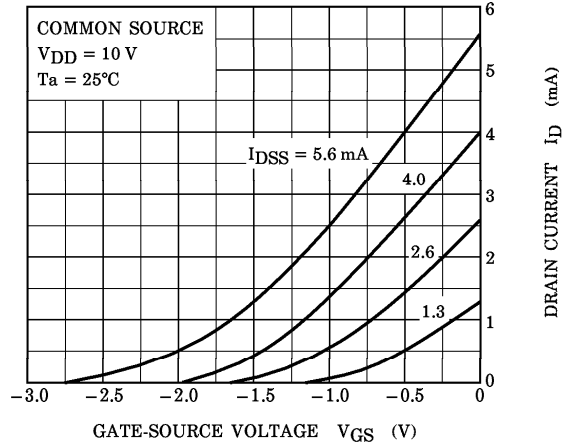
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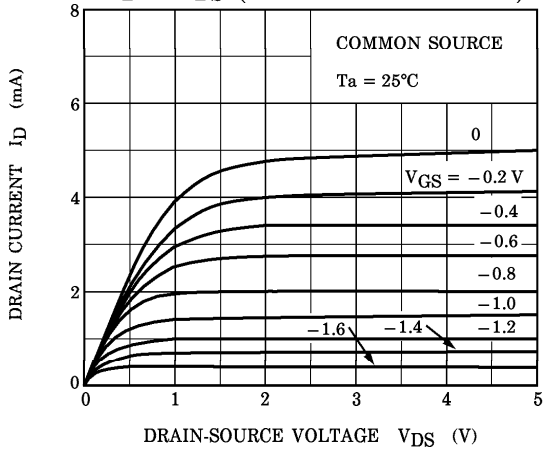
**STATIC CHARACTERISTICS**



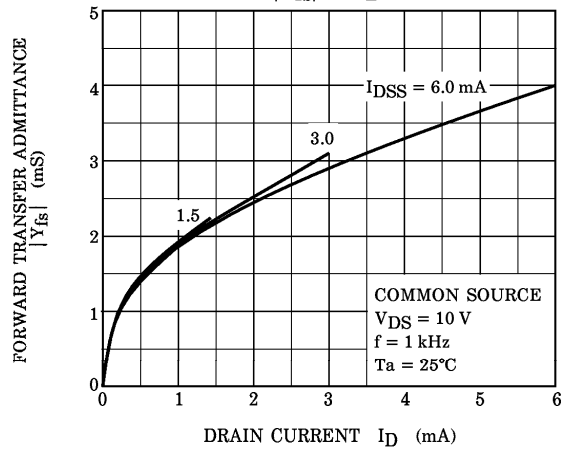
**ID - VGS**



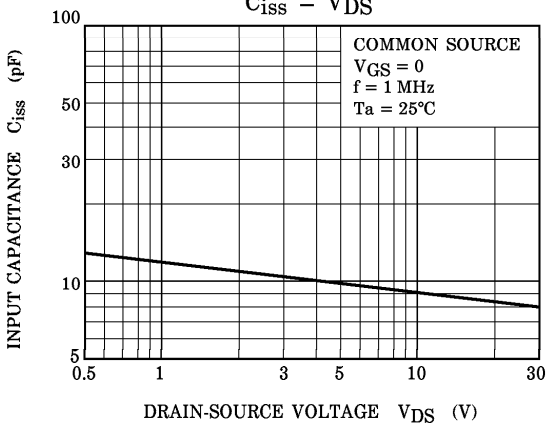
**ID - VDS (LOW VOLTAGE REGION)**



**|Yfs| - ID**



**Ciss - VDS**



**Crss - VGD**

