

**2SK1332**

## Low-Frequency General-Purpose Amplifier Applications

### Applications

- Ideal for use in variable resistors, analog switches, low-frequency amplifiers, and constant-current circuits.

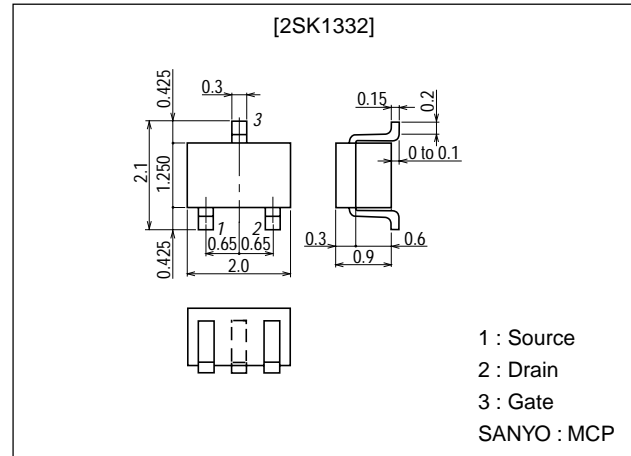
### Features

- Ultrasmall-sized package permitting 2SK1332-applied sets to be made smaller and slimmer.

### Package Dimensions

unit:mm

2058



### Specifications

#### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	$V_{DSX}$		30	V
Gate-to-Drain Voltage	$V_{GDS}$		-30	V
Gate Current	$I_G$		10	mA
Drain Current	$I_D$		20	mA
Allowable Power Dissipation	$P_D$		150	mW
Junction Temperature	$T_J$		150	°C
Storage Temperature	$T_{stg}$		-55 to +150	°C

#### Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Gate-to-Drain Breakdown Voltage	$V_{(BR)GDS}$	$I_G = -10\mu A, V_{DS} = 0$	-30			V
Gate-to-Source Leakage Current	$I_{GSS}$	$V_{GS} = -20V, V_{DS} = 0$			-1.0	nA
Zero-Gate Voltage Drain Current	$I_{DSS}$	$V_{DS} = 10V, V_{GS} = 0V$	0.6*		6.0*	mA
Cutoff Voltage	$V_{GS(off)}$	$V_{DS} = 10V, I_D = 1\mu A$	-0.2	-0.7	-2.5	V
Forward Transfer Admittance	$ y_{fs} $	$V_{DS} = 10V, V_{GS} = 0V, f = 1kHz$	2.5	5.0		mS

\* : The 2SK1332 is classified by  $I_{DSS}$  as follows (unit : mA) :

0.6	2	1.5	1.2	3	3.0	2.5	4	6.0
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(Note) Marking : V

 $I_{DSS}$  rank : 2, 3, 4

- For CP package version, use the 2SK303.

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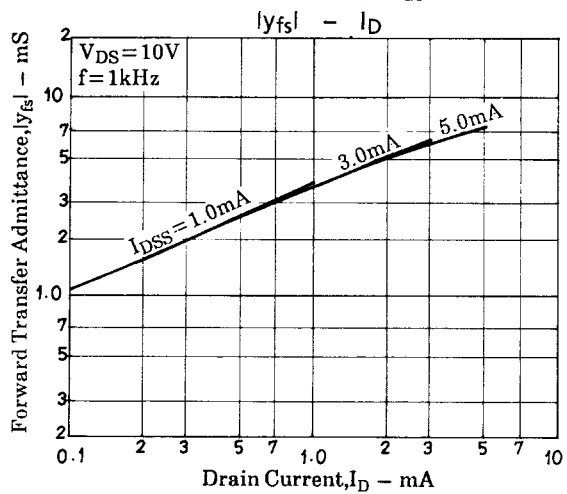
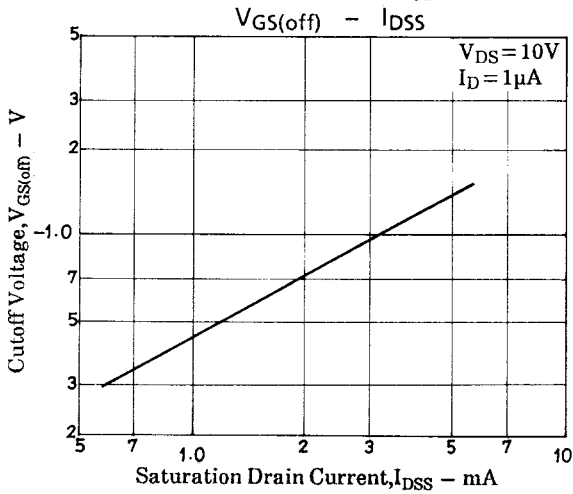
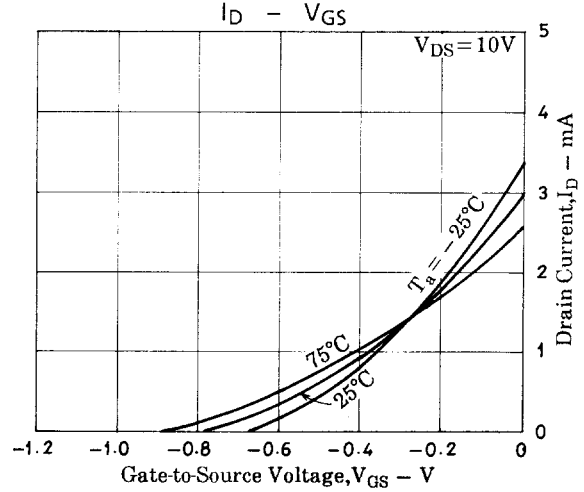
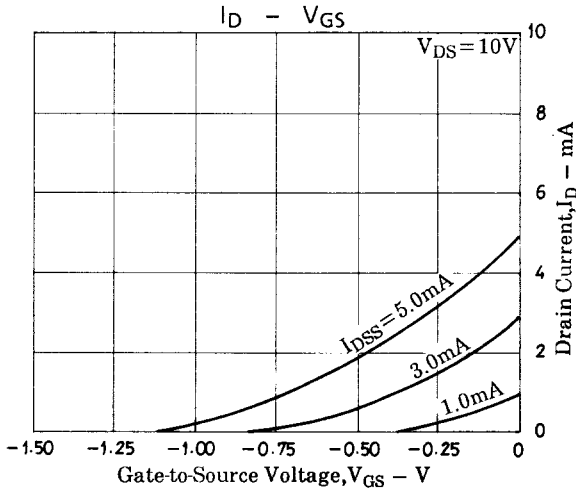
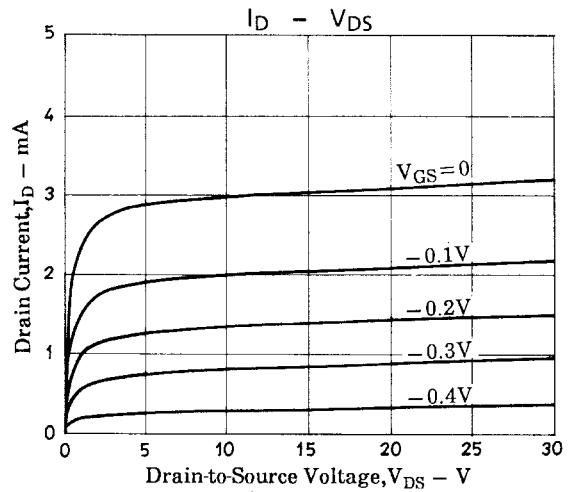
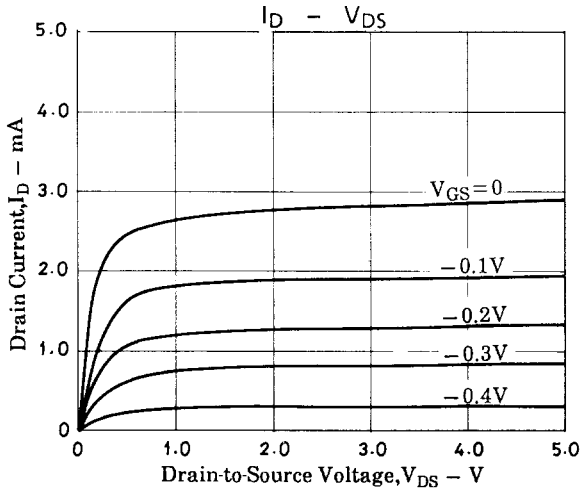
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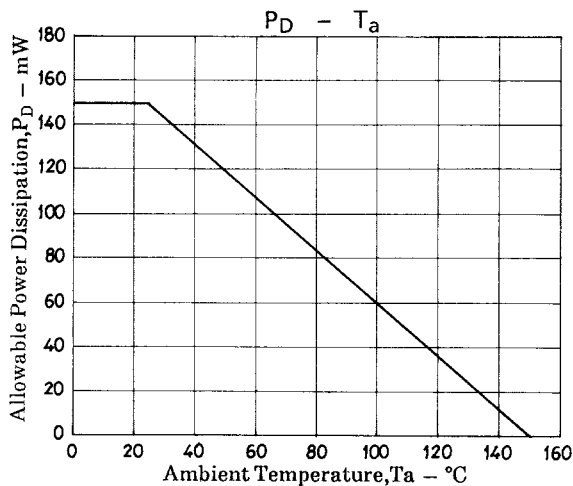
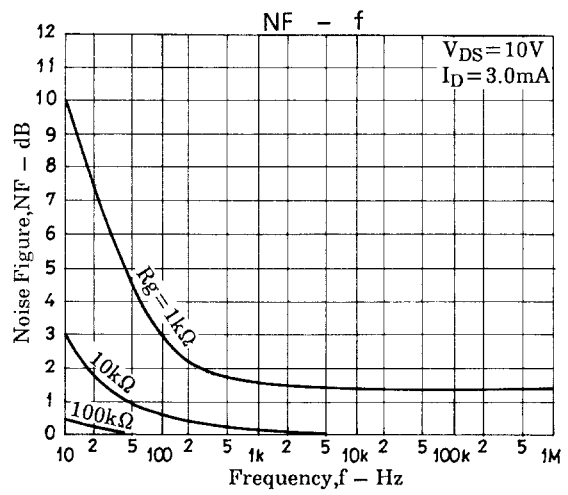
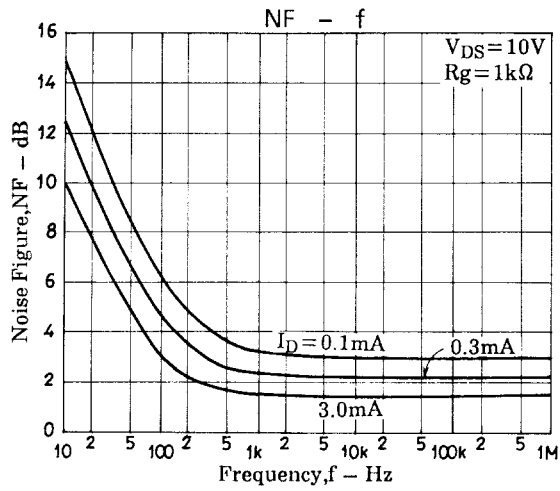
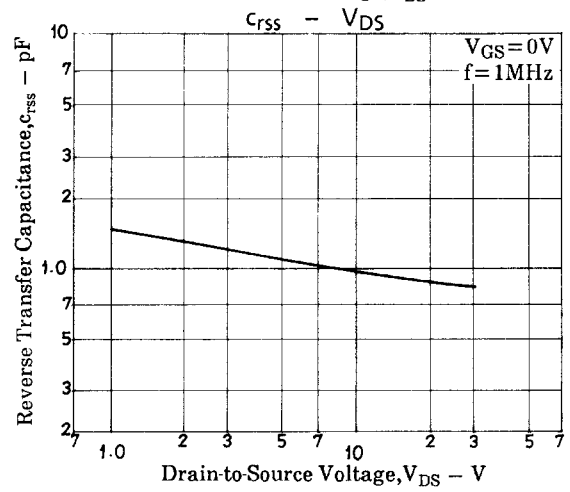
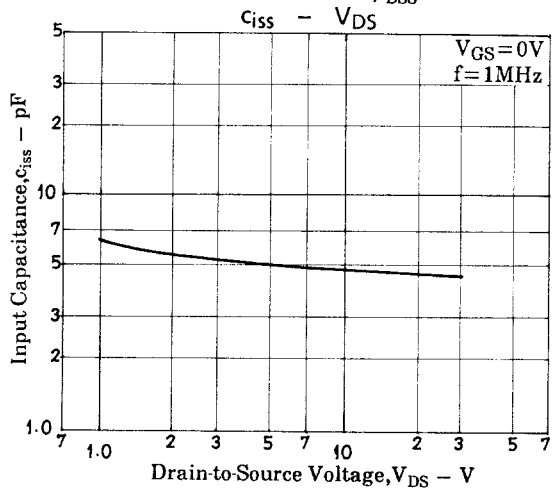
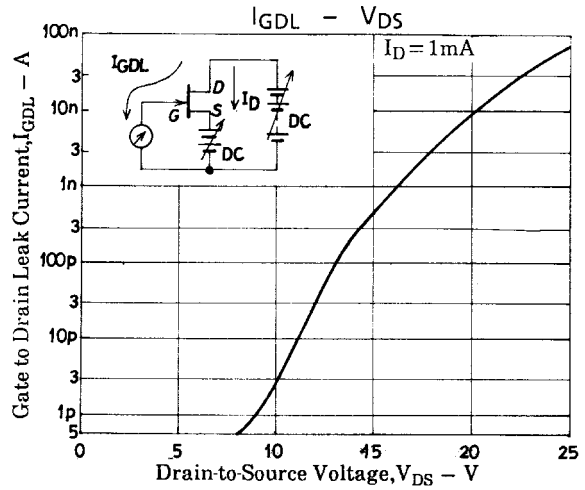
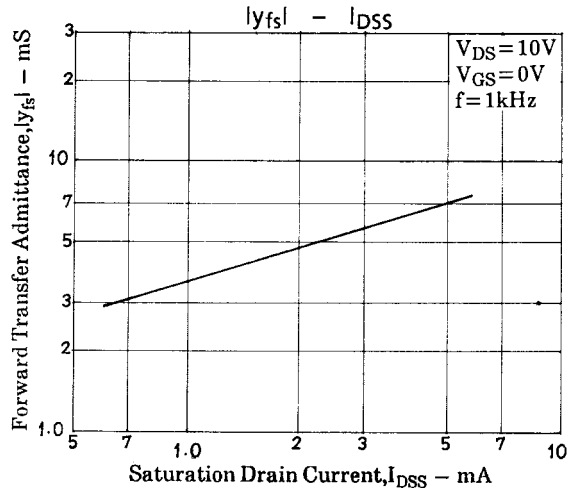
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Parameter	Symbol	Conditions	Ratings	Unit
Input Capacitance	$C_{iss}$	$V_{DS}=10V, V_{GS}=0V, f=1MHz$	5.0	pF
Reverse Transfer Capacitance	$C_{rss}$	$V_{DS}=10V, V_{GS}=0V, f=1MHz$	0.9	pF



# 2SK1332



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