

**2SK1332****Low-Frequency
General-Purpose Amplifier Applications****Applications**

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

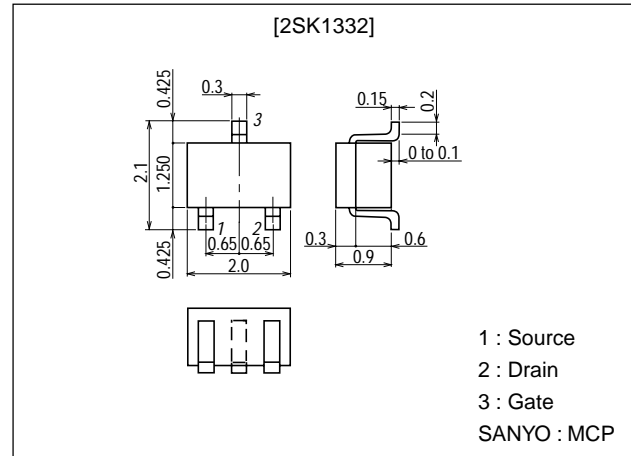
Features

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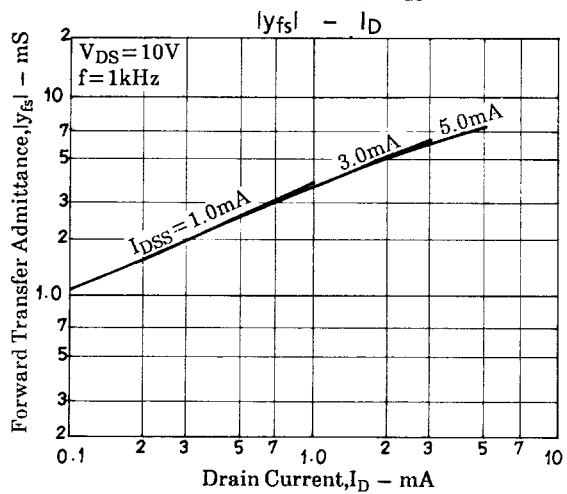
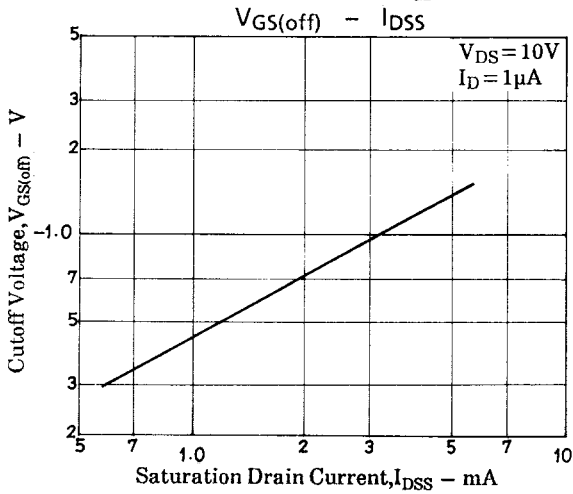
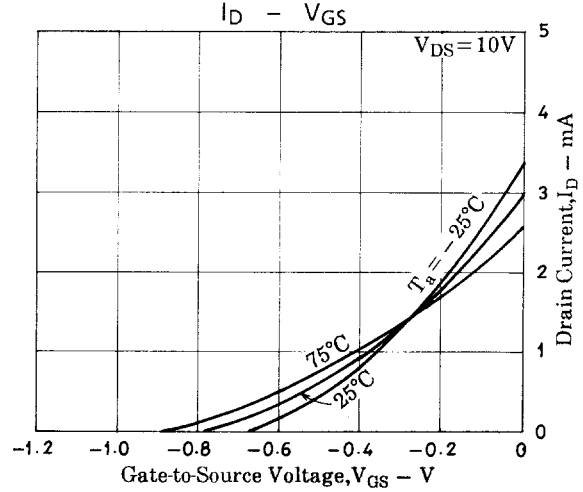
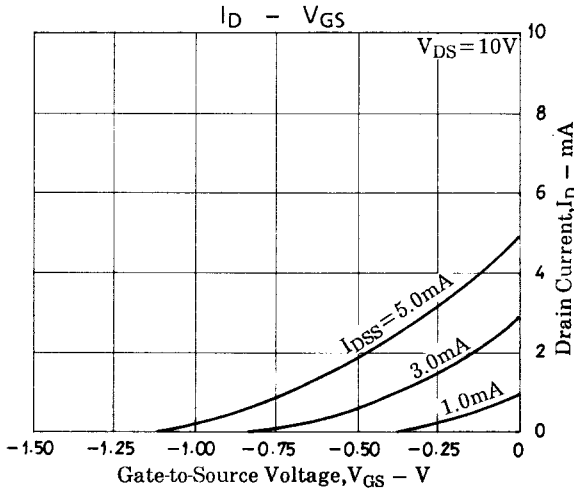
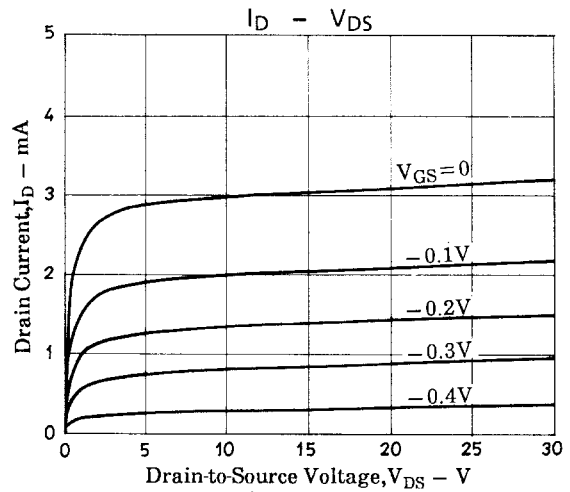
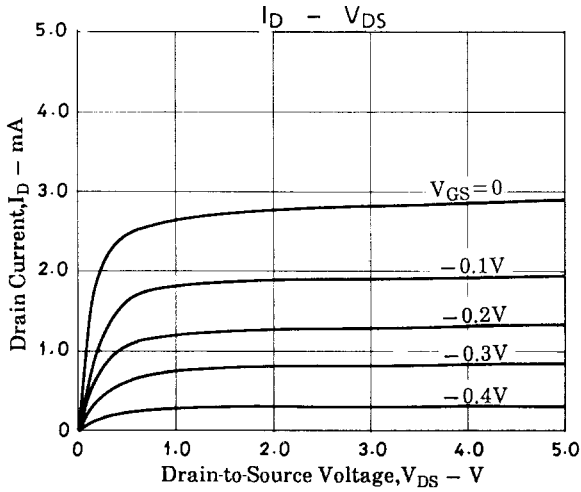
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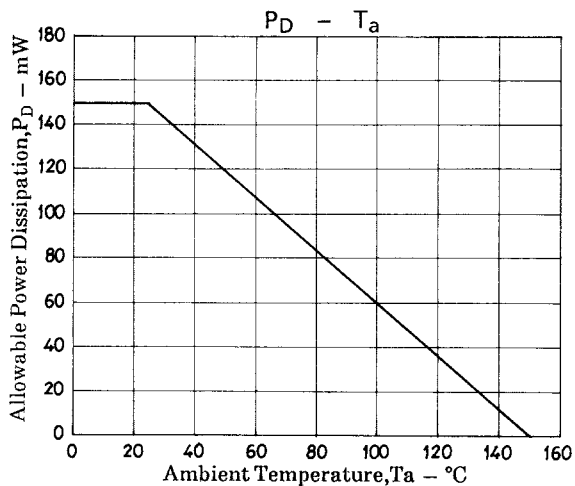
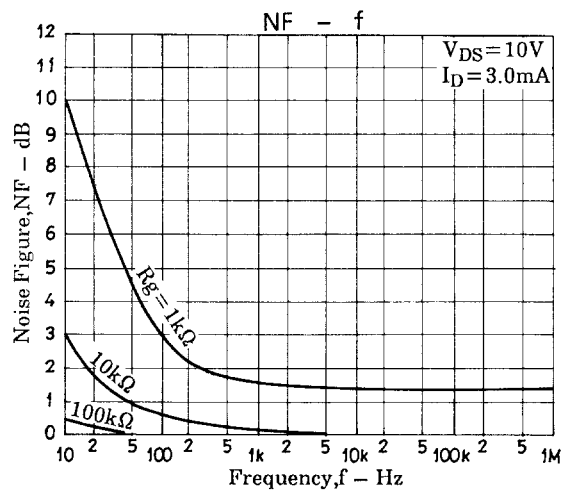
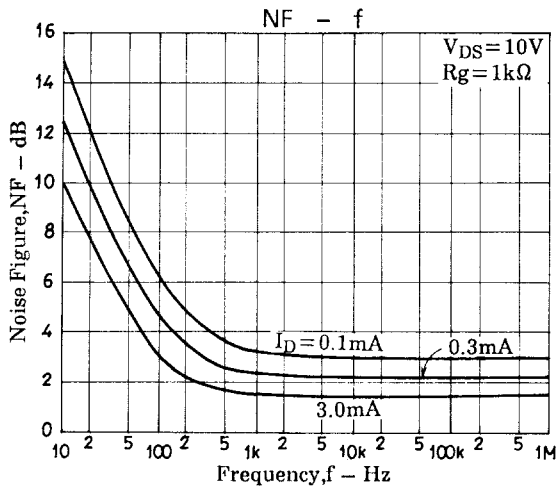
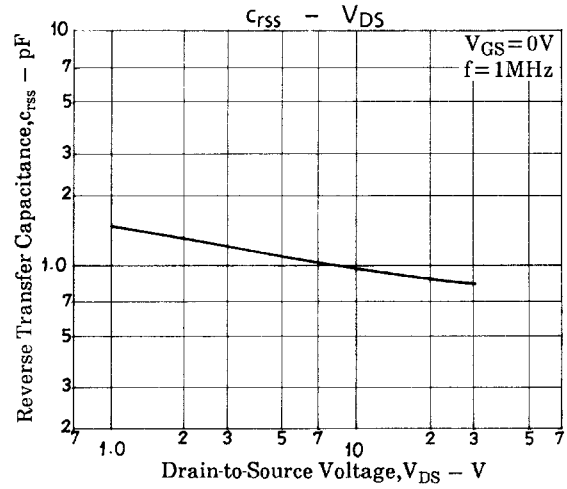
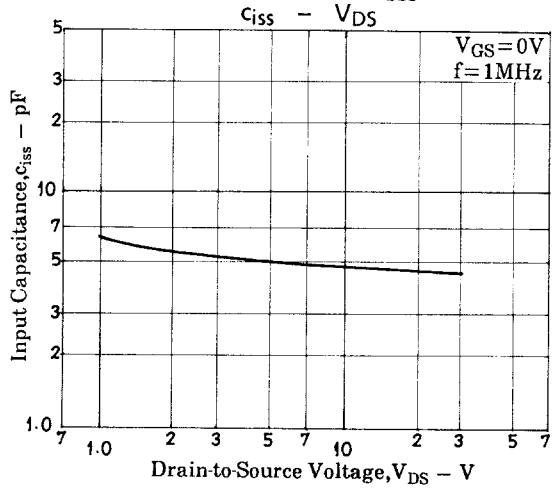
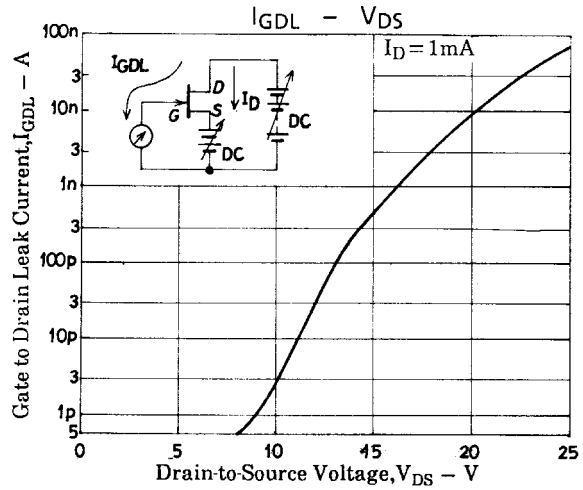
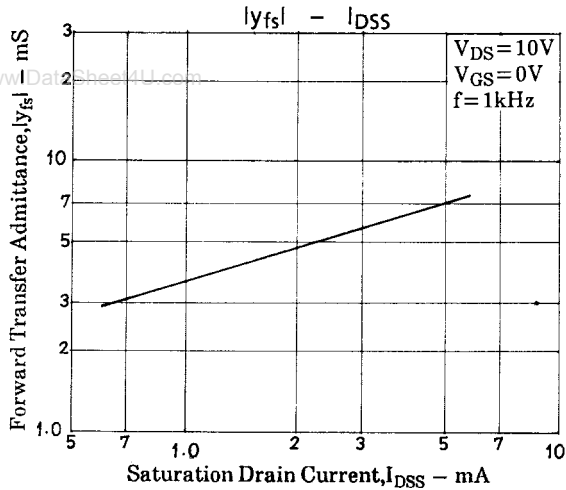
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Parameter	Symbol	Conditions	Ratings	Unit
Input Capacitance	C_{iss}	$V_{DS}=10V, V_{GS}=0V, f=1MHz$	5.0	pF
Reverse Transfer Capacitance	C_{rss}	$V_{DS}=10V, V_{GS}=0V, f=1MHz$	0.9	pF



2SK1332



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