2SK304



Low-Frequency Amplifier Applications

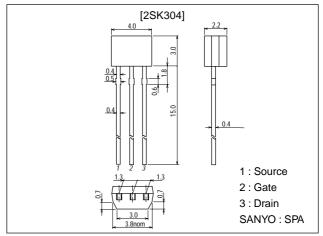
Features

 Ideal for potentiometers, analog switches, low frequency amplifiers, and constant-current regulators.

Package Dimensions

unit:mm

2034A



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	V _{DSS}		30	V
Gate-to-Drain Voltage	V _{GDS}		-30	V
Gate Current	IG		10	mA
Drain Current	I _D		20	mA
Allowable Power Dissipation	P _D		150	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-40 to +125	°C

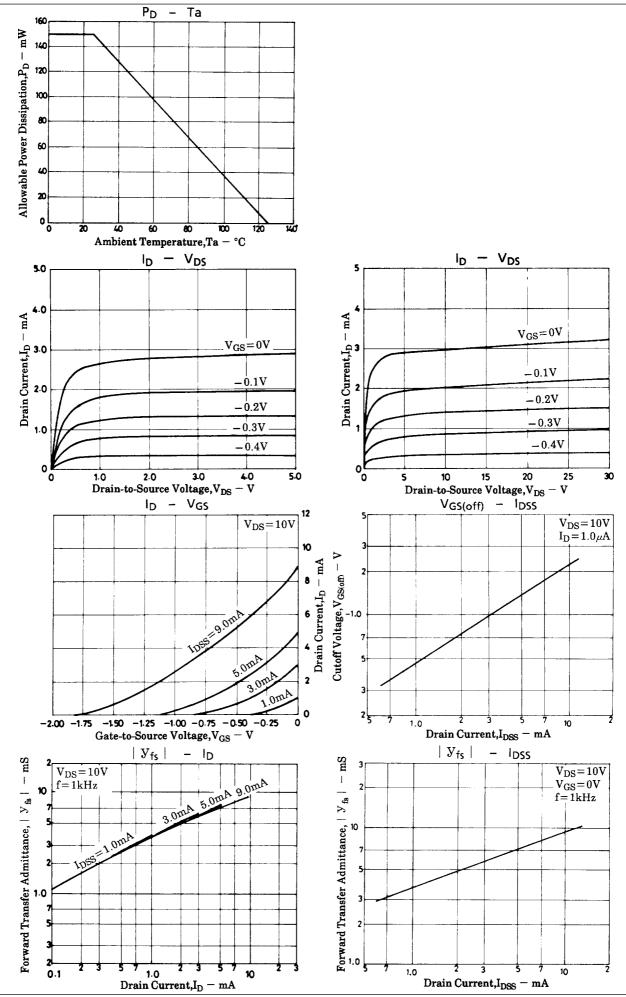
Electrical Characteristics at Ta = 25°C

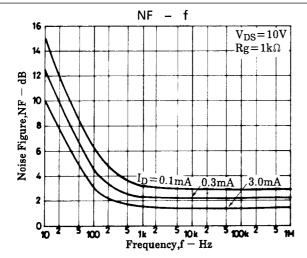
Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	
Gate-to-Drain Breakdown Voltage	V _(BR) GDS	I _G =-10μA	-30			V
Gate-to-Source Leakage Current	IGSS	V _{GS} =-20V			-1.0	nA
Zero-Gate Voltage Drain Current	I _{DSS} *	V _{DS} =10V, V _{GS} =0	0.6*		12.0*	mA
Cutoff Voltage	V _{GS(off)}	V _{DS} =10V, I _D =1μA		-1	-4	V
Forward Transfer Admittance	yfs	V_{DS} =10V, V_{GS} =0, f=1MHz	2.5	6.0		mS
Input Capacitance	Ciss	V _{DS} =10V, V _{GS} =0, f=1MHz		5		pF
Reverse Transfer Capacitance	Crss	V _{DS} =10V, V _{GS} =0, f=1MHz		1.5		pF

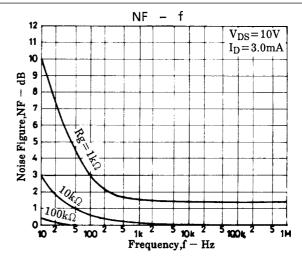
^{* :} The 2SK304 is classified by I_{DSS} as follows : (unit : mA)

0.6 C 1.5 1.2 D 3.0 2.5 E 6.0 5.0 F 12.0

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