

No.850E

2SK304

N-Channel Junction Silicon FET

Low-Frequency Amp Applications

Applications

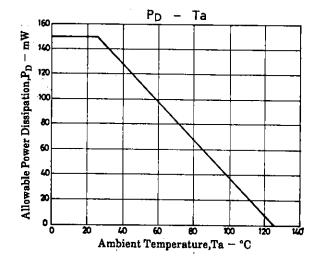
· Ideal for potentiometers, analog switches, low frequency amplifiers, and constant-current regulators.

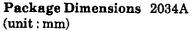
Absolute Maximum Ratings at		unit	
Drain-to-Source Voltage	$ m V_{DSS}$	30	v
Gate-to-Drain Voltage	$ m V_{GDS}$	-30	v
Gate Current	$\mathbf{I}_{\mathbf{G}}$	10	mA
Drain Current	$\mathbf{I_D}$	20	m.A
Allowable Power Dissipation	$P_{\mathbf{D}}$	150	\mathbf{mW}
Junction Temperature	Tj	125	°C
Storage Temperature	Tstg	-40 to + 125	°C

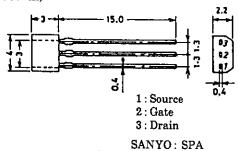
Electrical Characteristics at Ta = 25°C			min	typ	max	unit
G-D Breakdown Voltage	V _{(BR)GDS}	$I_G = -10\mu A$	-30	٠.		V
Gate Cutoff Current	I_{GSS}	$V_{GS} = -20V$			-1.0	$\mathbf{n}\mathbf{A}$
Drain Current	I_{DSS} $lepha$	$V_{DS}=10V,V_{GS}=0$	0.6※		12.0 $%$	mA
Cutoff Voltage	${ m V_{GS(off)}}$	$V_{DS} = 10V, I_D = 1\mu A$		-1	-4	V
Forward Transfer Admittance	Y _{fs}	$V_{DS} = 10V, V_{GS} = 0, f = 1kHz$	2.5	6.0		mS
Input Capacitance	Ciss	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$		5		рF
Reverse Transfer Capacitance	Crss	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$		1.5		pF

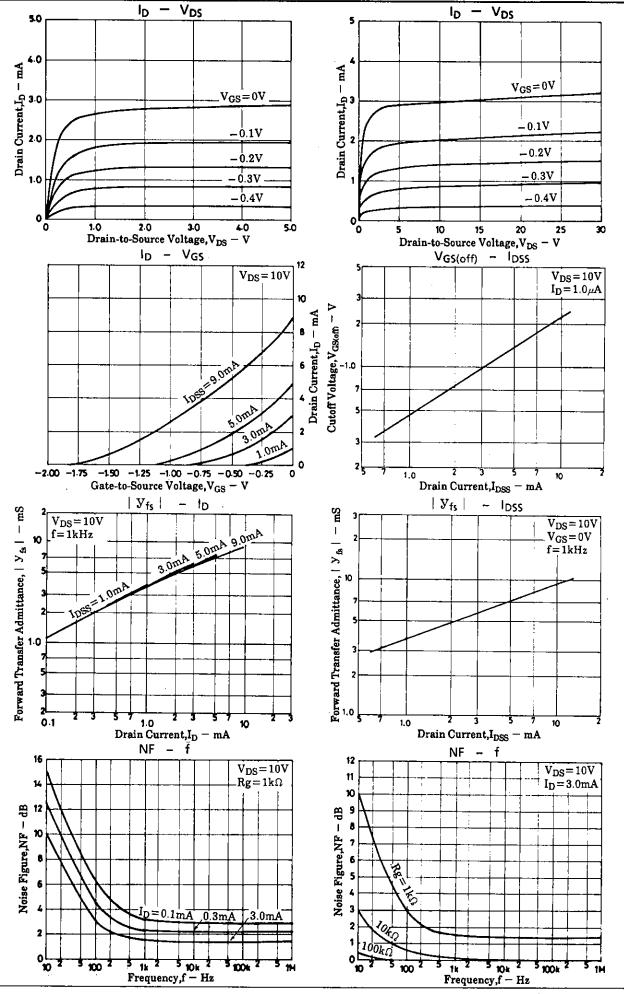
The 2SK304 is classified by I_{DSS} as follows: (unit: mA)

	2 200			
0.6 C 1.5	1.2 D 3.0	2.5 E 6.0	5.0 F 12.0	









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