

SANYO	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 Ta=25°C

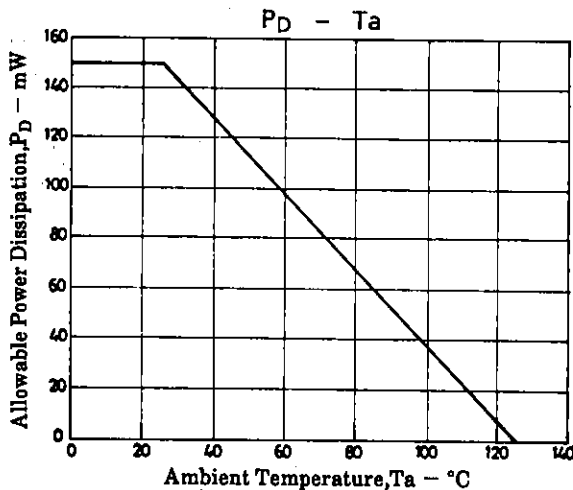
			unit
Drain-to-Source Voltage	V _{DSS}	30	V
Gate-to-Drain Voltage	V _{GD}	-30	V
Gate Current	I _G	10	mA
Drain Current	I _D	20	mA
Allowable Power Dissipation	P _D	150	mW
Junction Temperature	T _j	125	°C
Storage Temperature	T _{stg}	-40 to +125	°C

Electrical Characteristics at Ta=25°C

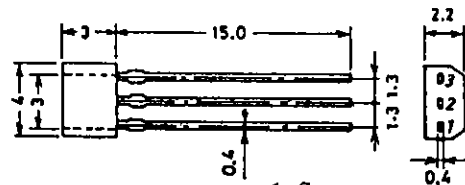
		min	typ	max	unit
G-D Breakdown Voltage	V _{(BR)GDS} I _G = -10μA	-30			V
Gate Cutoff Current	I _{GSS} V _{GS} = -20V			-1.0	nA
Drain Current	I _{DSS} ※ V _{DS} = 10V, V _{GS} = 0	0.6※		12.0※	mA
Cutoff Voltage	V _{GS(off)} V _{DS} = 10V, I _D = 1μA		-1	-4	V
Forward Transfer Admittance	Y _{fs} V _{DS} = 10V, V _{GS} = 0, f = 1kHz	2.5	6.0		mS
Input Capacitance	C _{iss} V _{DS} = 10V, V _{GS} = 0, f = 1MHz		5		pF
Reverse Transfer Capacitance	C _{rss} V _{DS} = 10V, V _{GS} = 0, f = 1MHz		1.5		pF

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

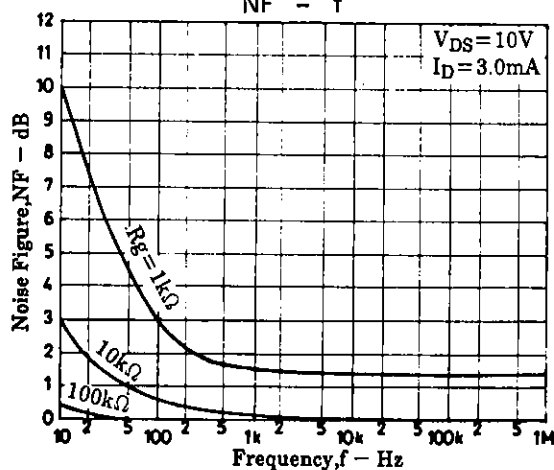
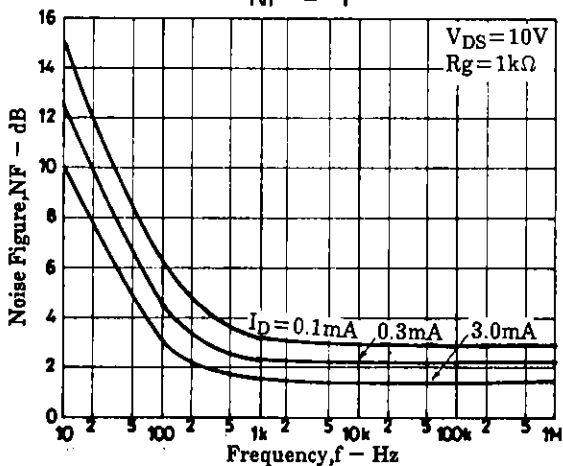
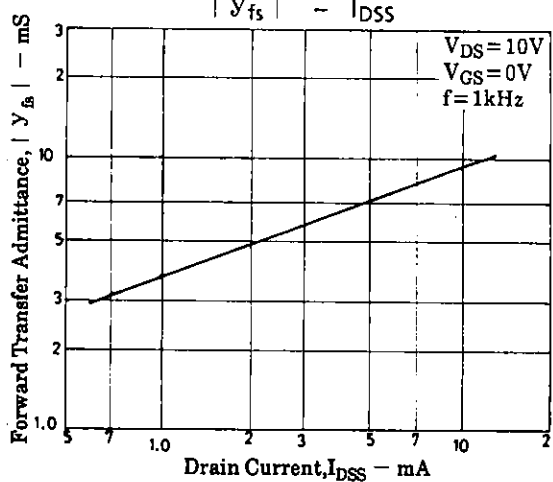
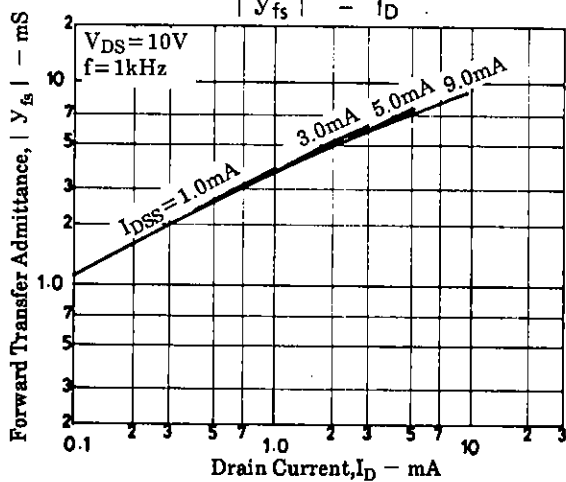
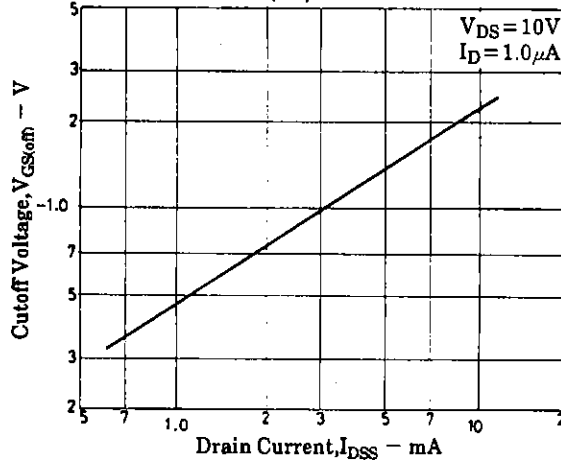
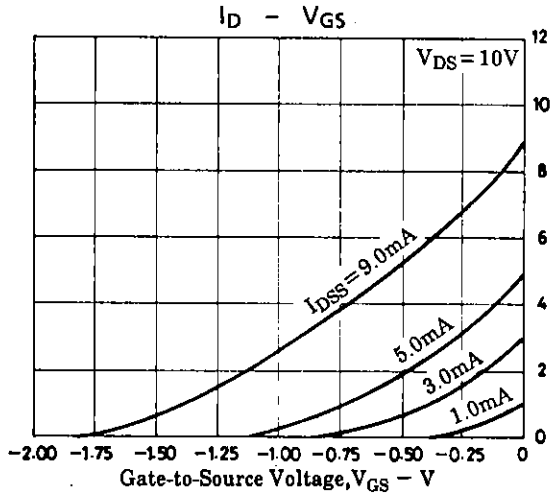
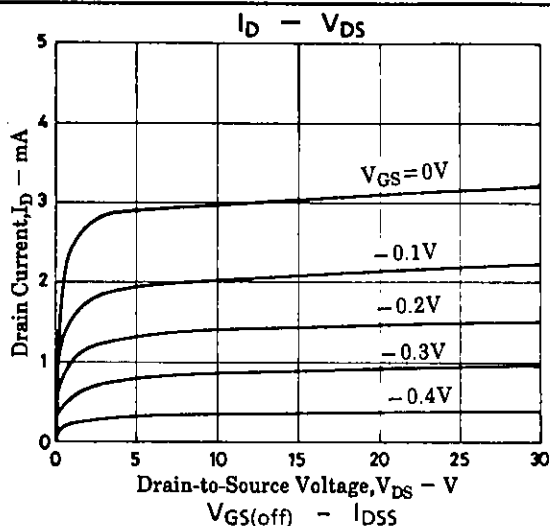
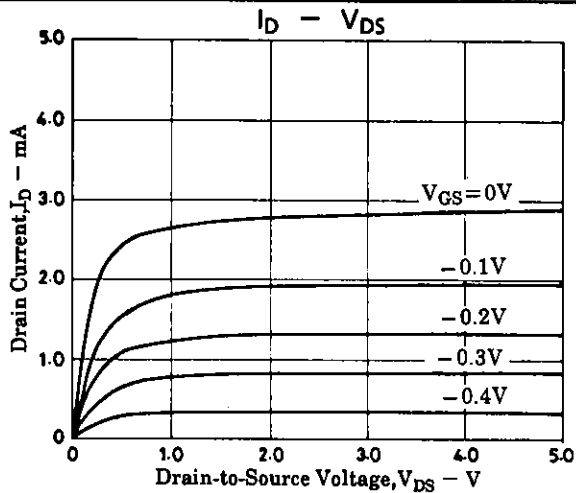
0.6 C	1.5	1.2 D	3.0	2.5 E	6.0	5.0 F	12.0
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Package Dimensions 2034A
(unit : mm)



1: Source
2: Gate
3: Drain
SANYO: SPA



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