

<b>SANYO</b>	No.850E	<b>2SK304</b>
		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**

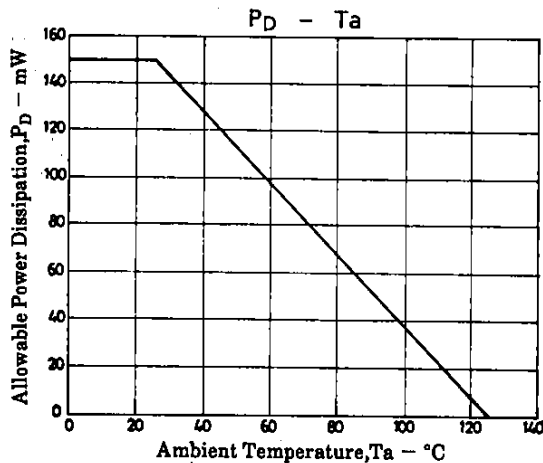
			unit
Drain-to-Source Voltage	V <sub>DSS</sub>	30	V
Gate-to-Drain Voltage	V <sub>GDS</sub>	-30	V
Gate Current	I <sub>G</sub>	10	mA
Drain Current	I <sub>D</sub>	20	mA
Allowable Power Dissipation	P <sub>D</sub>	150	mW
Junction Temperature	T <sub>j</sub>	125	°C
Storage Temperature	T <sub>stg</sub>	-40 to +125	°C

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

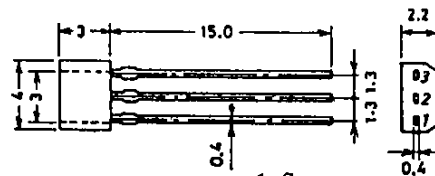
			min	typ	max	unit
G-D Breakdown Voltage	V <sub>(BR)GDS</sub> I <sub>G</sub> = -10μA		-30			V
Gate Cutoff Current	I <sub>GSS</sub> V <sub>GS</sub> = -20V				-1.0	nA
Drain Current	I <sub>DSS</sub> ※ V <sub>DS</sub> = 10V, V <sub>GS</sub> = 0		0.6※		12.0※	mA
Cutoff Voltage	V <sub>GS(off)</sub> V <sub>DS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

※ : The 2SK304 is classified by I<sub>DSS</sub> 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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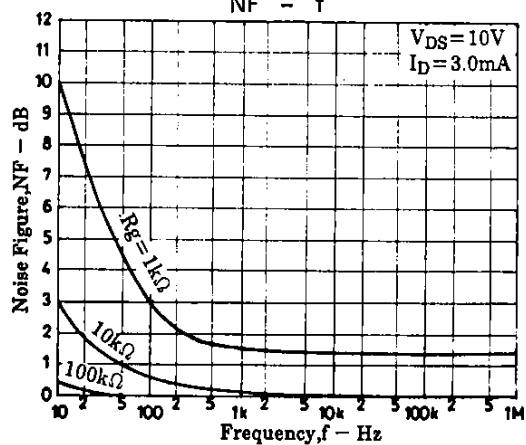
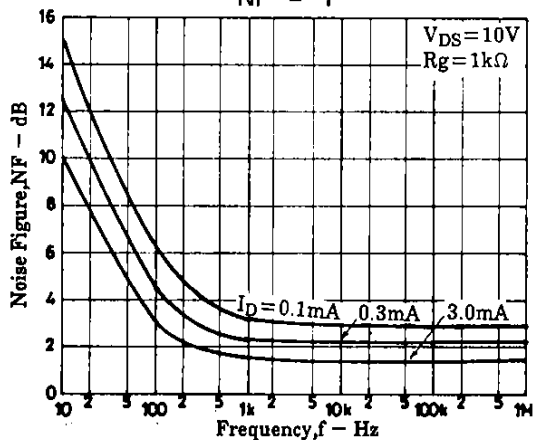
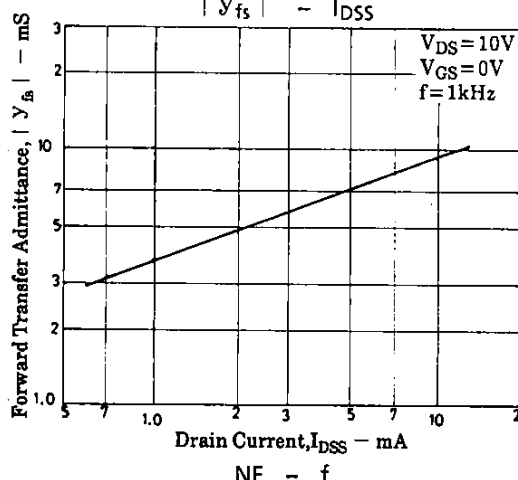
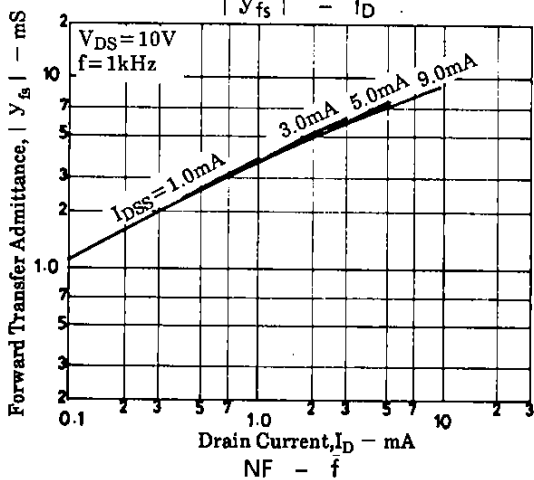
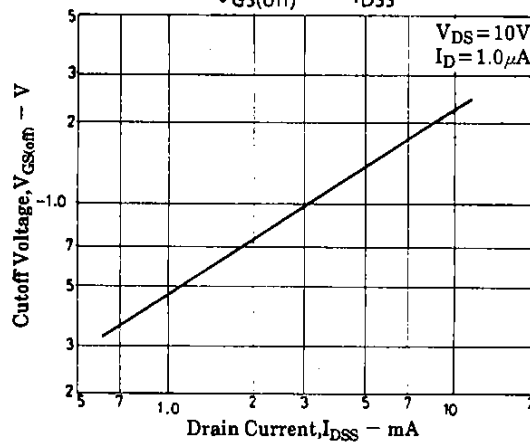
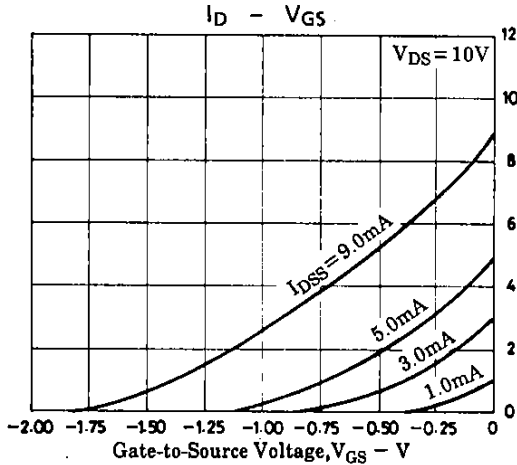
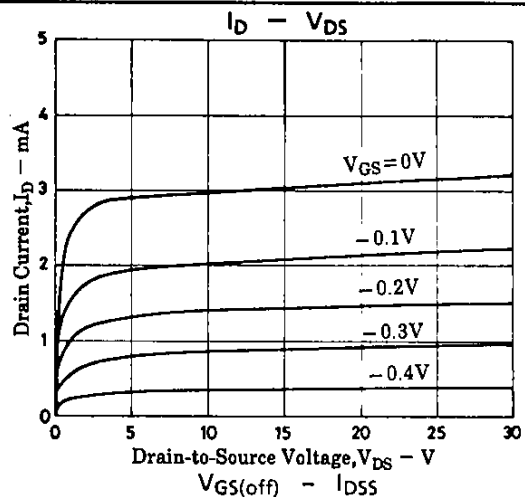
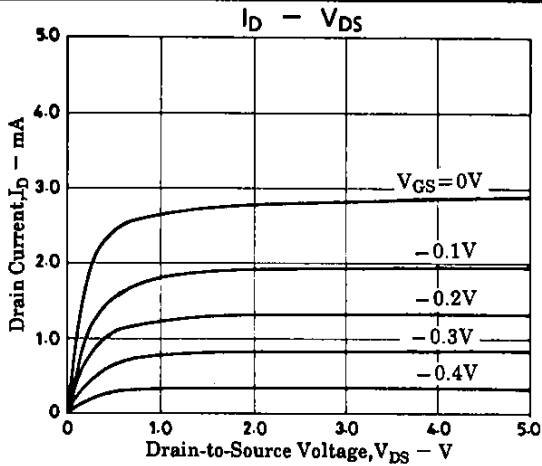


**Package Dimensions 2034A**  
(unit : mm)



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

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