

<b>SANYO</b>	No.856F	<b>2SK303</b>
		N-Channel Junction Silicon FET Low-Frequency General-Purpose Amp Applications

**Features**

- Ideal for potentiometers, analog switches, low frequency amplifiers, constant current supplies, and impedance conversion.

**Absolute Maximum Ratings at Ta = 25°C**

			unit
Drain to Source Voltage	$V_{DSS}$	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	$P_D$	200	mW
Junction Temperature	$T_j$	150	°C
Storage Temperature	$T_{stg}$	-55 to +150	°C

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

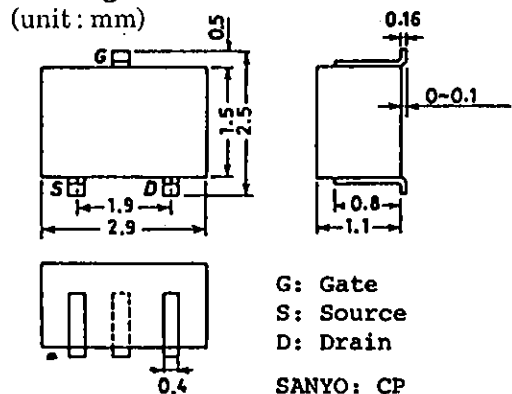
			min	typ	max	unit
Gate to Drain	$V_{(BR)GDS}$	$I_G = -10\mu A$	-30			V
Gate Cutoff Current	$I_{GSS}$	$V_{GS} = -20V$			-1.0	nA
Drain Current	$I_{DSS}$	$V_{DS} = 10V, V_{GS} = 0$	0.6*		12.0*	mA
Cutoff Voltage	$V_{GS(off)}$	$V_{DS} = 10V, I_D = 1\mu A$		-1	-4	V
Forward Transfer Admittance	$ y_{fs} $	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$	2.5	6.0		mS
Input Capacitance	$c_{iss}$	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$		5		pF
Output Capacitance	$c_{rss}$	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$		1.5		pF
Drain to Source ON Resistance	$R_{DS(ON)}$	$V_{DS} = 10mV, V_{GS} = 0$		250		Ω

\* The 2SK303 is classified by  $I_{DSS}$  as follows (unit: mA)

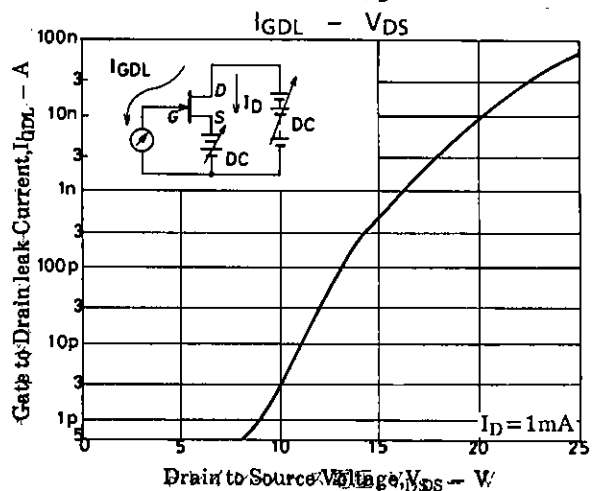
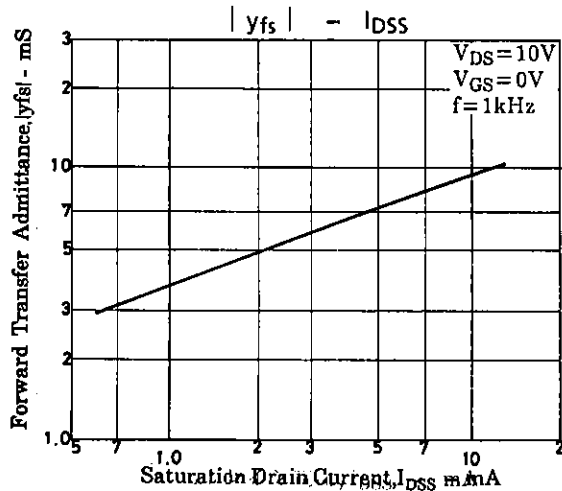
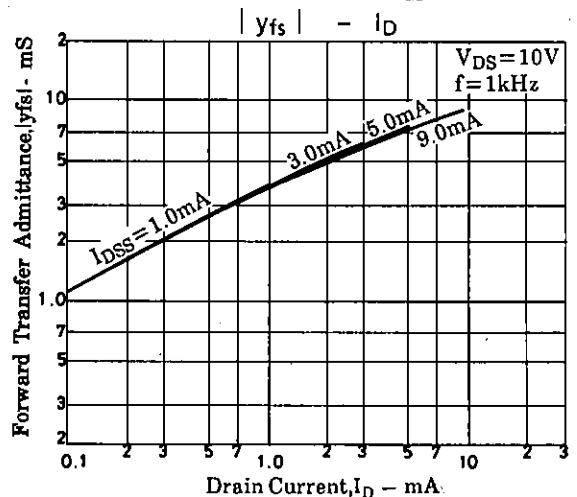
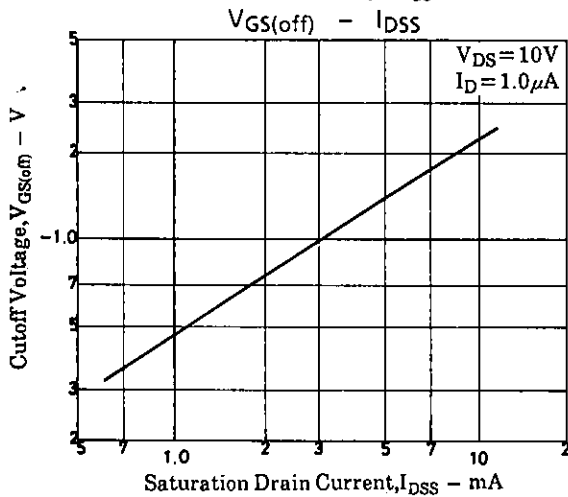
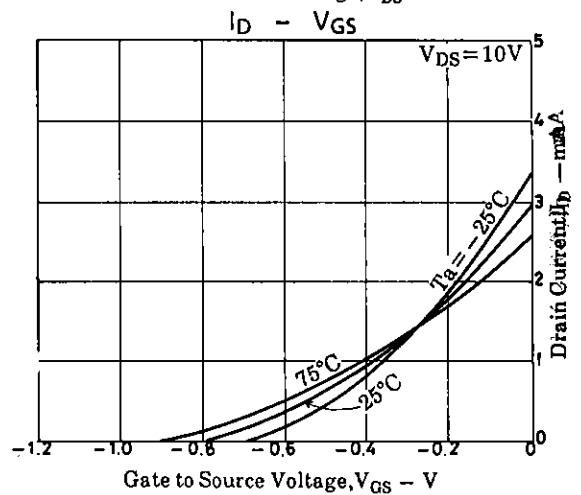
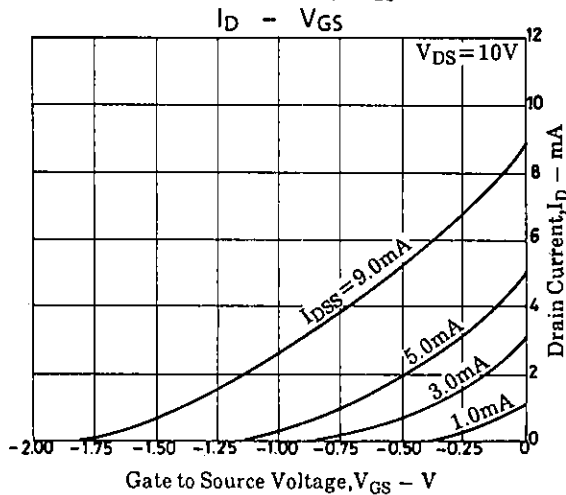
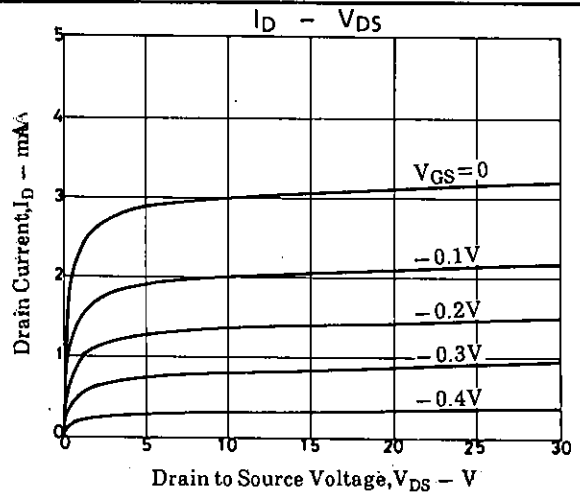
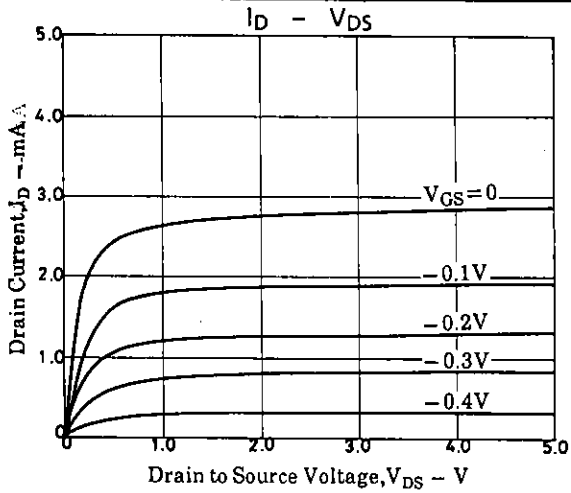
0.6	2	1.5	1.2	3	3.0	2.5	4	6.0	5.0	5	12.0
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Note Marking : V  
 $I_{DSS}$  rank : 2, 3, 4, 5

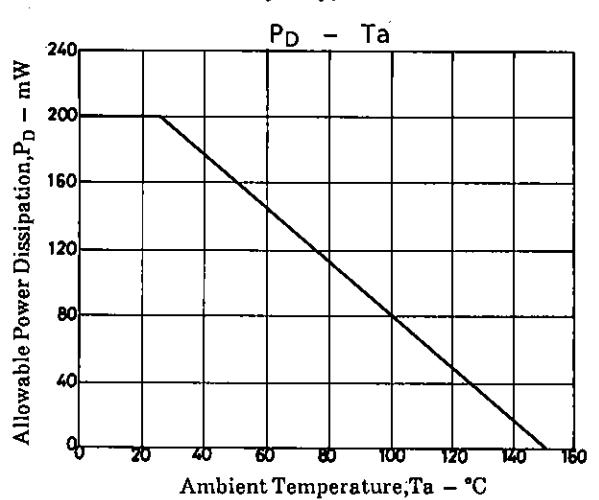
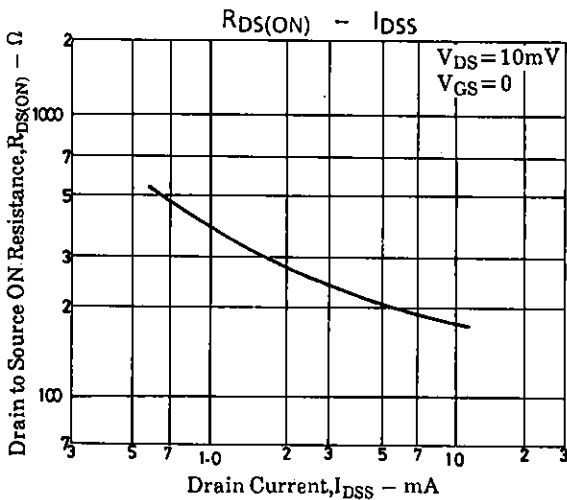
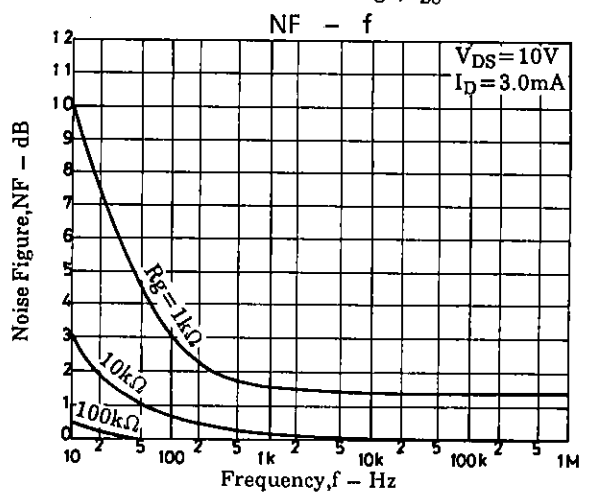
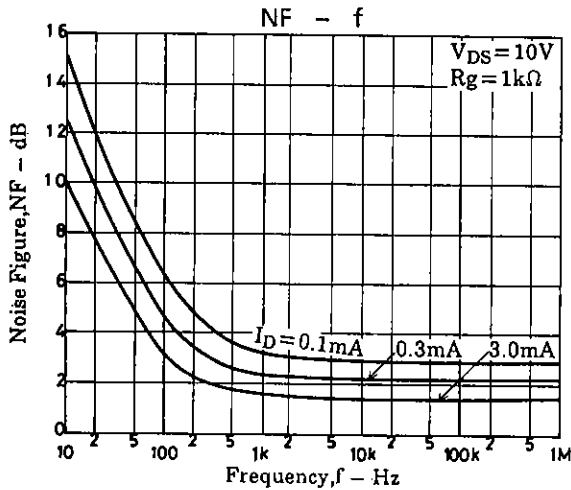
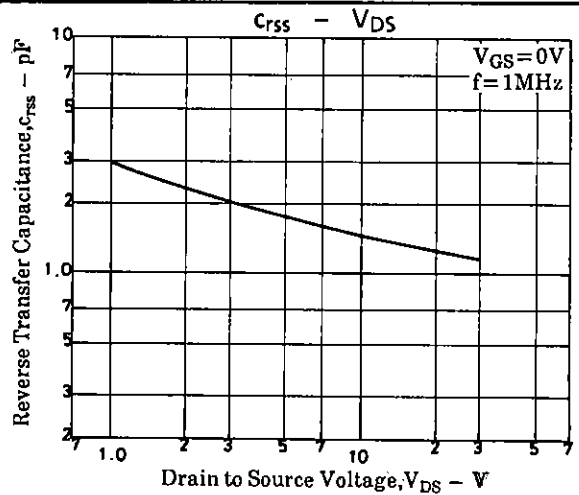
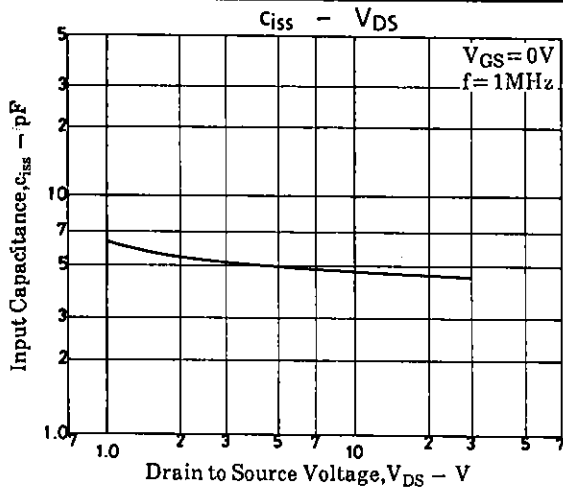
**Package Dimensions 2050**



# 2SK303



# 2SK303



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