

<b>SANYO</b>	No.2392A	<b>2SK772</b>
		N-Channel Junction Silicon FET
<b>AF Amp Applications</b>		

**Applications**

Variable resistors, analog switches, AF amp, constant-current circuit

**Features**

Adoption of FBET process

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

			unit
Drain to Source Voltage	$V_{DSX}$	40	V
Gate to Source Voltage	$V_{GDS}$	-40	V
Gate Current	$I_G$	10	mA
Drain Current	$I_D$	20	mA
Allowable Power Dissipation	$P_D$	300	mW
Junction Temperature	$T_j$	150	°C
Storage Temperature	$T_{stg}$	-55 to +150	°C

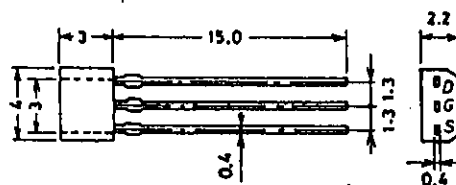
**Electrical Characteristics at Ta=25°C**

			min	typ	max	unit
Gate to Drain Breakdown Voltage	$V_{(BR)GDS}$	$I_G = -10\mu A, V_{DS} = 0$	-40			V
Gate Cutoff Current	$I_{GSS}$	$V_{GS} = -20V, V_{DS} = 0$			-1.0	nA
Cutoff Voltage	$I_{GS(off)}$	$V_{DS} = 10V, I_D = 1\mu A$	-0.3	-0.9	-2.5	V
Drain Current	$I_{DSS}$	$V_{DS} = 10V, V_{GS} = 0$	1.2*		12.0*	mA
Forward Transfer Admittance	$ Y_{fs} $	$V_{DS} = 10V, V_{GS} = 0, f = 1kHz$	4.5	9.0		mS
Input Capacitance	$c_{iss}$	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$		9.0		pF
Reverse Transfer Capacitance	$c_{rss}$	$V_{DS} = 10V, V_{GS} = 0, f = 1MHz$		2.1		pF
Noise Figure	NF	$V_{DS} = 10V, R_g = 1k\Omega, I_D = 1mA, f = 1kHz$		1.5		dB

\*: The 2SK772 is classified by  $I_{DSS}$  as follows: (unit: mA)

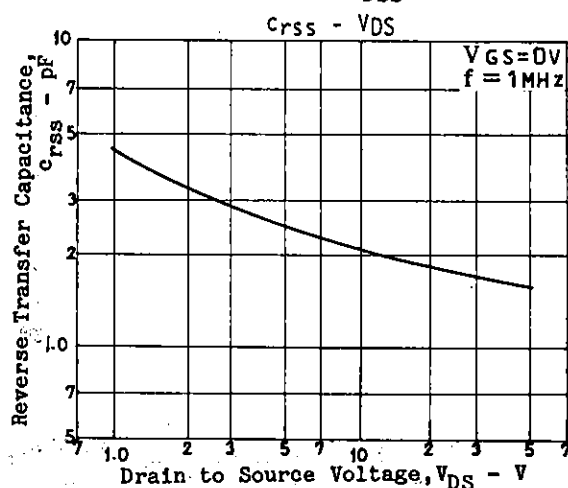
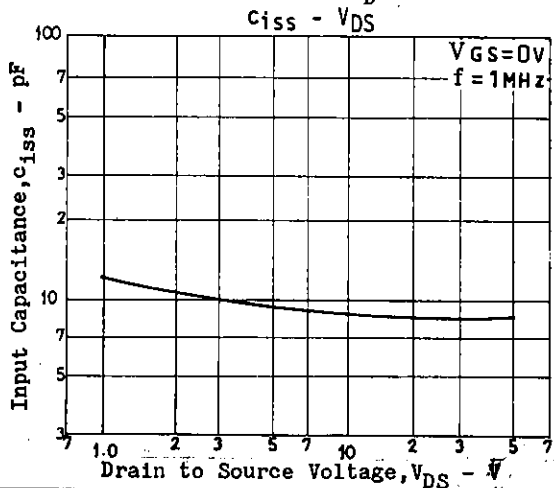
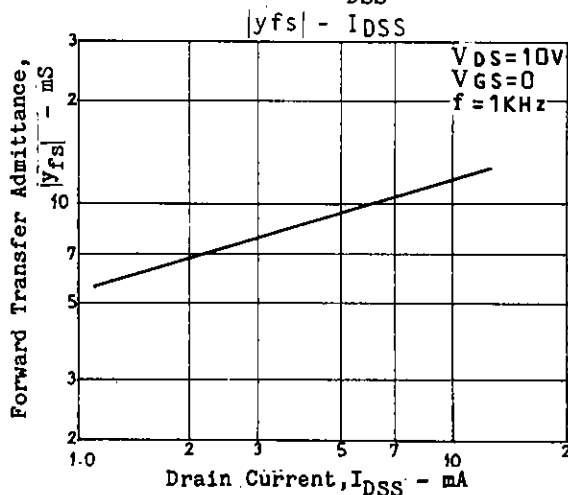
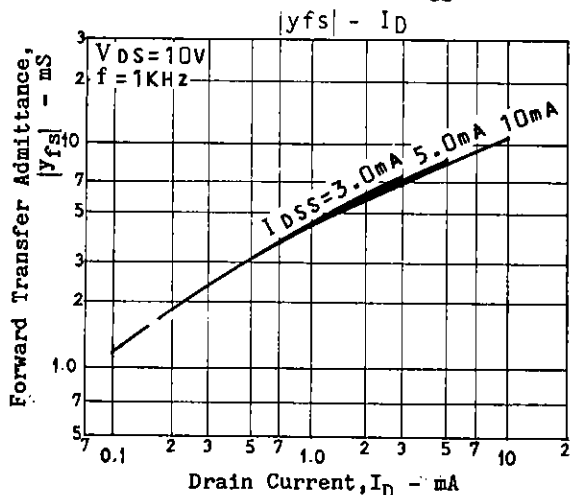
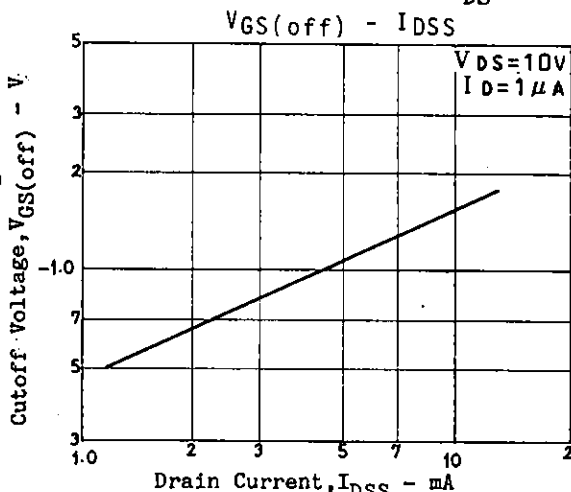
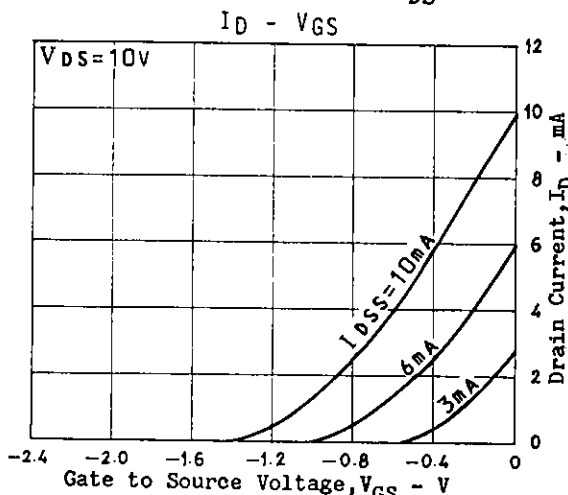
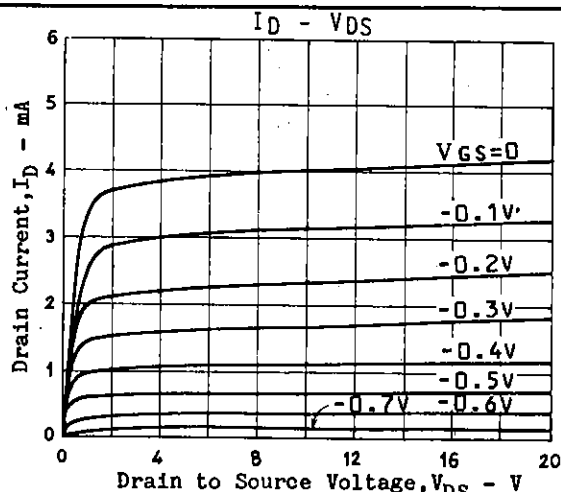
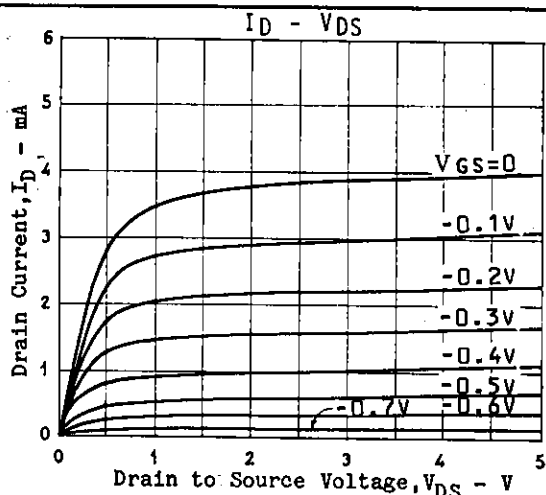
1.2	D	3.0	2.5	E	6.0	5.0	F	12.0
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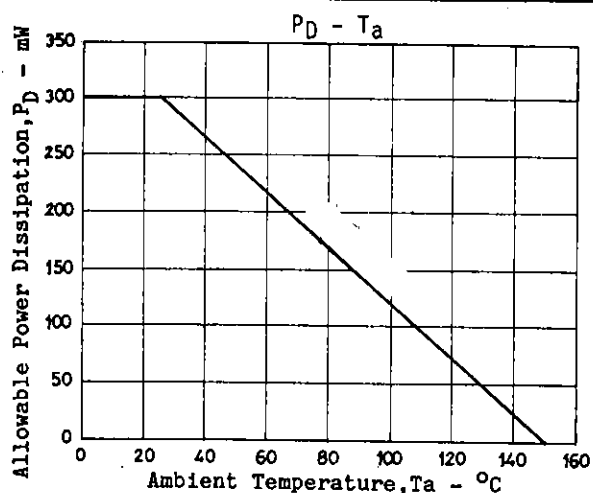
**Package Dimensions 2034**  
(unit: mm)



D: Drain  
G: Gate  
S: Source

SANYO: SPA





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