

<b>SANYO</b>	No.2550	<b>2SK536</b>
		N-Channel Enhancement MOS Silicon FET Analog Switch Applications

**Features**

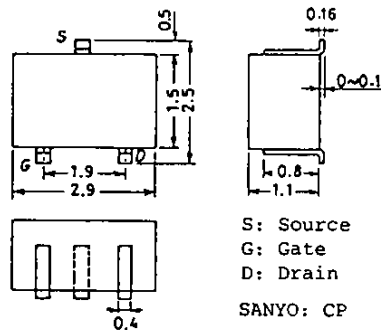
- . Large  $|Y_{fs}|$
- . Enhancement type
- . Small ON resistance

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

			unit
Drain to Source Voltage	$V_{DS}$	50	V
Gate to Source Voltage	$V_{GS}$	$\pm 12$	V
Drain Current	$I_D$	100	mA
Drain Current (Pulse)	$I_{DP}$	300	mA
Allowable Power Dissipation	$P_D$	200	mW
Channel Temperature	$T_{ch}$	125	°C
Storage Temperature	$T_{stg}$	-55 to +125	°C

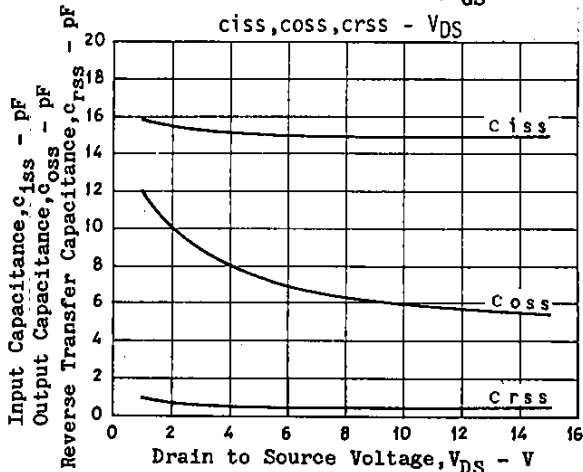
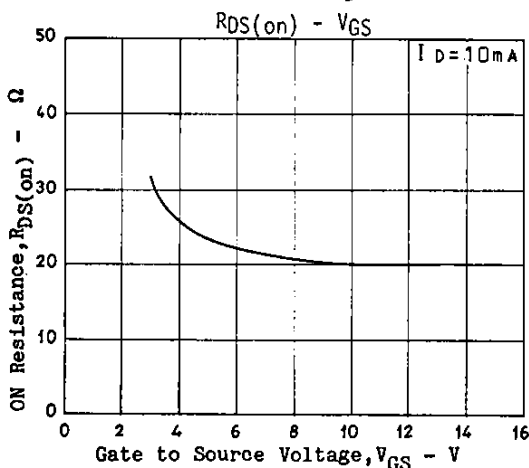
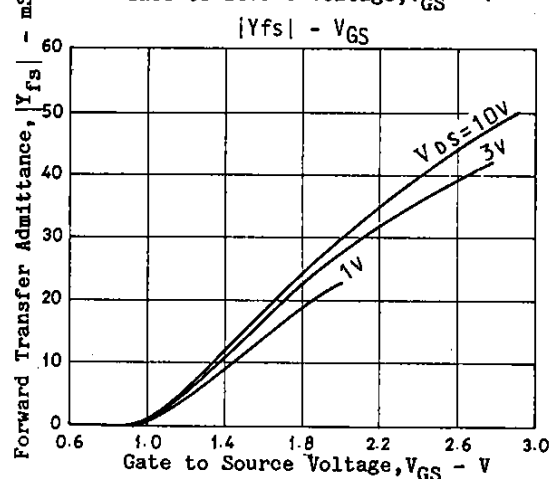
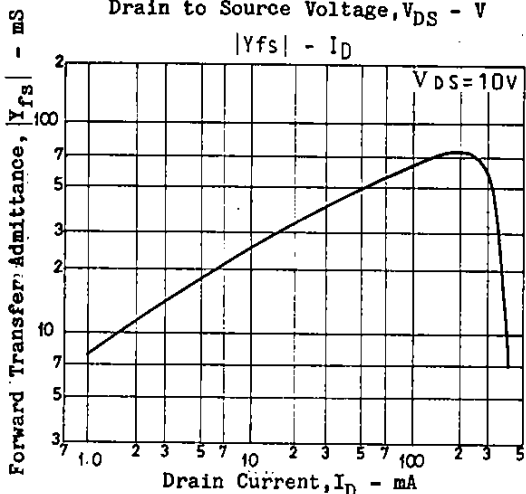
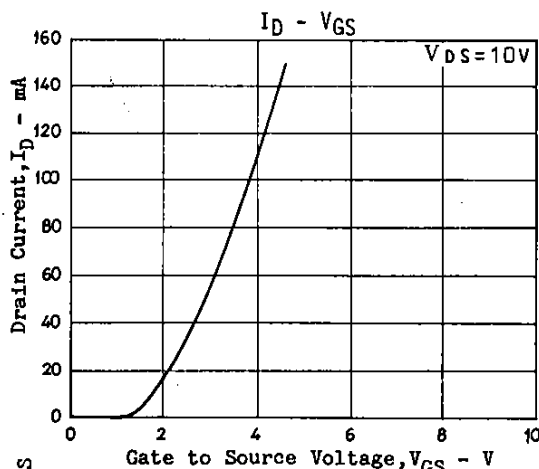
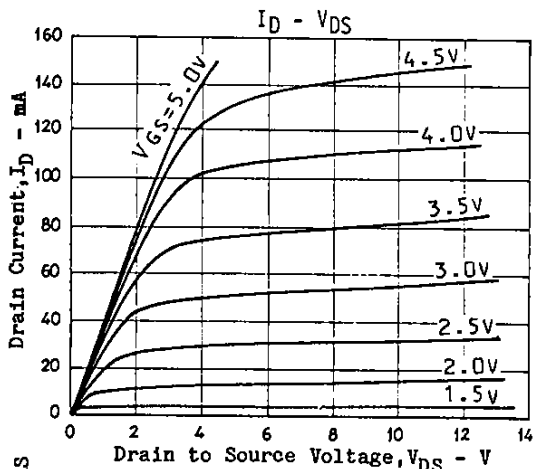
**Electrical Characteristics at Ta=25°C**

			min	typ	max	unit
Drain to Source Breakdown Voltage	$V_{(BR)DS}$	$I_D=10\mu A, V_{GS}=0V$	50			V
Gate Cutoff Current	$I_{GSS}$	$V_{GS}=10V, V_{DS}=0V$		0.01	10	nA
Cutoff Voltage	$I_{GS(off)}$	$V_{DS}=10V, I_D=100\mu A$	0.3	0.9	1.5	V
Drain Current	$I_{DSS}$	$V_{DS}=20V, V_{GS}=0V$			1	$\mu A$
Forward Transfer Admittance	$ Y_{fs} $	$V_{DS}=10V, I_D=50mA, f=1kHz$	25	40		mS
Input Capacitance	$c_{iss}$	$V_{DS}=10V, V_{GS}=0, f=1MHz$		15		pF
Output Capacitance	$c_{oss}$	$V_{DS}=10V, V_{GS}=0, f=1MHz$		6		pF
Reverse Transfer Capacitance	$c_{rss}$	$V_{DS}=10V, V_{GS}=0, f=1MHz$		0.5		pF
ON Resistance	$R_{DS(on)}$	$V_{GS}=10V, I_D=10mA$		20		$\Omega$

**Package Dimensions 2024A**  
(unit:mm)

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