

No.4902

3SK265

N-Channel MOS Silicon FET

VHF, CATV Tuner,

High-Frequency Amp Applications

Features

- · Enhancement type.
- · Easy AGC (Cut off at $V_{G2S} = 0V$).
- · Small noise figure.
- · High power gain.
- · Ideally suited for RF amp of CATV wide-band tuners.

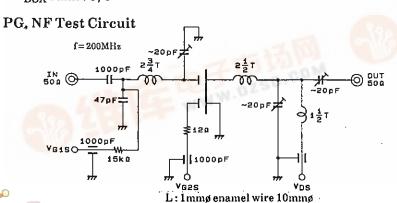
Absolute Maximum Ratings at	$Ta = 25^{\circ}C$			unit
Drain-to-Source Voltage	$v_{ m DS}$		15	V
Gate1-to-Source Voltage	V_{G1S}		±8	V
Gate2-to-Source Voltage	V_{G2S}		±8	V
Drain Current	$I_{\mathbf{D}}$	-	30	mA
Allowable Power Dissipation	P_{D}		200	mW
Channel Temperature	Tch		125	°C
Storage Temperature	Tstg		-55 to + 125	°C

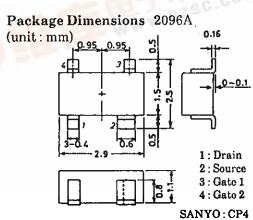
min	typ	max	unit
$= 0V, I_{DS} = 100 \mu A$ 15			V
$4V,I_D = 100 \mu A$ 0	0.7	1.3	V
$3V,I_D = 100 \mu A$ 0.1	0.9	1.6	V
$_{\rm 2S} = V_{\rm DS} = 0V$		±50	nA
$_{\rm IS} = V_{\rm DS} = 0V$		±50	nA
$1.2V, V_{G2S} = 4V$ 5.0%		24.0%	mA
$mA,V_{G2S}=4V,$	22		mS
= 0V	4.0		pF
lHz 0	.015	0.03	pF
mA 23	26		dB
0MHz	1.1	2.2	dB
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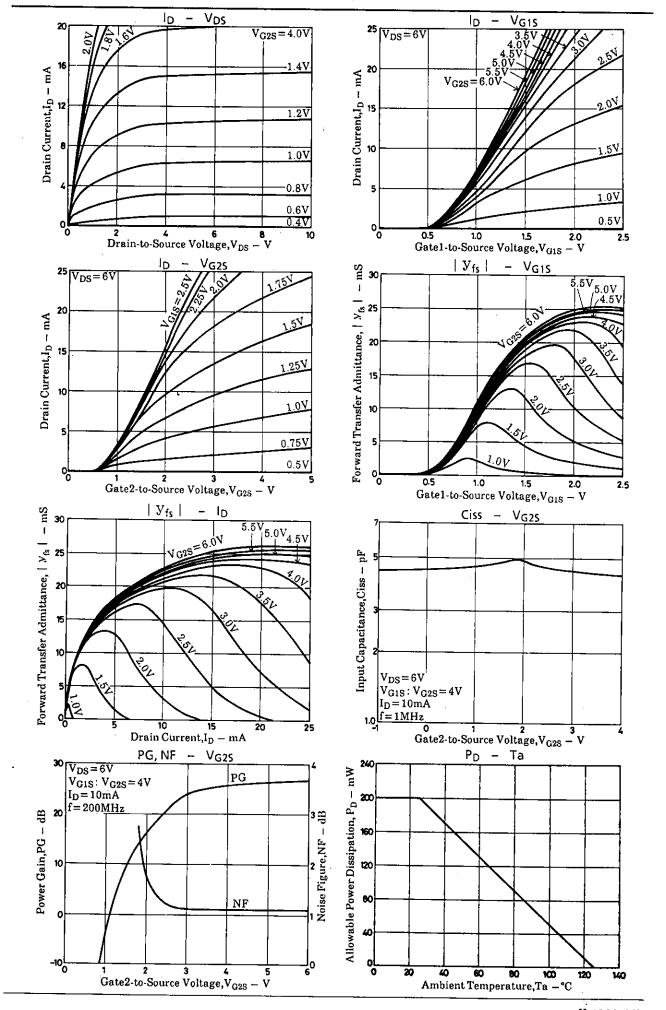
* : The 3SK265 is classified by IDSX as follows: (unit: mA)

5.0	12.0	10.0	6	24.0

Marking: TJ I_{DSX} rank: 5, 6







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