



ON Semiconductor®

2SK4177

SPICE PARAMETER

Nch MOS FET

model : BSIM3V3.2

Parameter	Value	Parameter	Value	Parameter	Value
LEVEL	8				
VERSION	3.2	TNOM	27	TOX	1.0E-07
VTH0	2.7	K1	3.86	K2	-0.04
NLX	4.70E-07	DVT0	3.12	DVT1	0.09
DVT2	-0.01	U0	600	UA	1.04E-10
UB	1.00E-21	VSAT	1.84E+06	A0	0.66
AGS	1	A1	0	A2	1
RDSW	9.00E+05	PRWG	0.00E+00	WR	0.92
WINT	0	LINT	-7.20E-08	VOFF	0
NFACTOR	0.64	CIT	0	CDSC	2.40E-04
CDSCD	0	ETA0	0.14	DSUB	0.96
PCLM	0.01	PDIBLC1	0.1	PDIBLC2	1.20E-03
DROUT	0.96	PSCBE1	1.00E+11	PSCBE2	1.00E-05
PVAG	0.01	DELTA	0.03	NGATE	1.00E+19
MOBMOD	1	NQSMOD	0	NOIMOD	1
CAPMOD	3	XPART	0.5	CGSO	6.00E-11
CGDO	1.00E-10	CGBO	0	CGSL	0
CGDL	6.00E-09	CKAPPA	1.2	CF	0
CLC	3.00E-09	CLE	0.8	DWC	0
DLC	-1.00E-06	NOFF	3.66	VOFFCV	-0.4
ACDE	1	MOIN	15	CJ	2.00E-03
MJ	0.35	PB	0.65	JS	1.00E-03
NJ	1.3	XTI	3	IJTH	0
KT1	-0.6	UTE	-0.6	PRT	3.00E+06
AT	3.30E+04				

Temp = 27 deg
 L = 3.0E-6 m
 W = 228740E-6 m
 AD = 228740E-12 m²
 RG = 9 ohm
 RB = 0.045 ohm

Date : 2007/05/09

*Information herein is for example only ;
 It is not guaranteed for volume production.

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