



ON Semiconductor®

CPH3457

## SPICE PARAMETER

### Nch MOS FET

model : BSIM3V3.2

Parameter	Value	Parameter	Value	Parameter	Value
LEVEL	8				
VERSION	3.2	TNOM	27	TOX	3.3E-08
VTH0	0.96	K1	1.96	K2	-0.04
NLX	1.70E-07	DVT0	3.12	DVT1	0.58
DVT2	-0.01	U0	630	UA	2.20E-09
UB	1.00E-21	VSAT	1.75E+05	A0	0.34
AGS	0	A1	0	A2	1
RDSW	2.00E+03	PRWG	-8.00E-03	WR	0.82
WINT	0	LINT	3.00E-08	VOFF	-0.15
NFACTOR	0.8	CIT	0	CDSC	2.40E-04
CDSCD	0	ETA0	1	DSUB	0.96
PCLM	0.8	PDIBLC1	0	PDIBLC2	4.91E-03
DROUT	0.96	PSCBE1	5.95E+09	PSCBE2	1.05E-05
PVAG	0.01	DELTA	0.05	NGATE	1.00E+19
MOBMOD	1	NQSMOD	0	NOIMOD	1
CAPMOD	3	XPART	0.5	CGSO	4.00E-11
CGDO	1.00E-10	CGBO	0	CGSL	0
CGDL	4.00E-10	CKAPPA	1.2	CF	0
CLC	3.00E-09	CLE	0.8	DWC	0
DLC	-1.00E-11	NOFF	1.5	VOFFCV	-0.4
ACDE	1	MOIN	15	CJ	3.50E-04
MJ	0.3	PB	0.6	JS	5.00E-07
NJ	1.05	XTI	3	IJTH	0
KT1	-0.5	UTE	-0.9	PRT	3.50E+03
AT	3.30E+04				

Temp = 27 deg  
 L = 1.0E-6 m  
 W = 384307E-6 m  
 AD = 384307E-12 m<sup>2</sup>  
 RG = 10 ohm  
 RB = 0.025 ohm

Date : 2014/04/11

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

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