



**2SC6144SG**

## SPICE PARAMETER

### NPN Bipolar Transistor

**model : Gummel-Poon**

Parameter	Value	Unit	Parameter	Value	Unit
IS	3.500p	A	BF	335	
NF	1		VA	9	V
IKF	13	A	ISE	50.00p	A
NE	2		BR	160	
NR	1		VAR	26	V
IKR	2.9	A	ISC	230.0p	A
NC	2		RB	910.0m	Ohm
IRB	100.0m	A	RBM	22.20m	Ohm
RE	20.50m	Ohm	RC	3.300m	Ohm
XTB	1.9		EG	1.11	eV
XTI	3		CJE	1.420n	F
VJE	750.0m	V	MJE	383.0m	
TF	450p	sec	XTF	7	
VTF	1.000K	V	ITF	20	A
PTF	0	deg	CJC	230.0p	F
VJC	520.0m	V	MJC	418.0m	
XCJC	1		TR	1.000n	sec
FC	500.0m		KF	0	(default)
AF	1	(default)			

Temp = 27 deg

Date : 2015/03/13

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

ON Semiconductor