



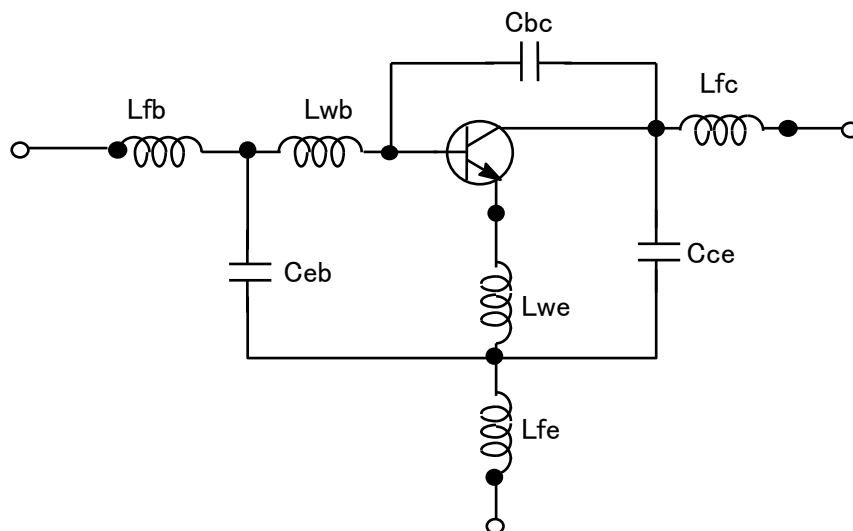
## SPICE PARAMETERS

MCH4020

### ON Semiconductor® HIGH-FREQUENCY TRANSISTOR

model : Gummel-Poon

Parameter	Value	Unit	Parameter	Value	Unit
IS	2.155f	A	TF	6.700p	S
BF	122		XTF	50.00f	
NF	1.05		VTF	750.0m	V
VAF	8	V	ITF	50	A
IKF	206.4m	A	PTF	200.0m	deg
ISE	1.384p	A	CJC	175.0f	F
NE	2.278		VJC	200.0f	V
BR	14		MJC	1.150p	
NR	1.042		XCJC	1	
VAR	4	V	TR	0	S
IKR	360.0m	A	FC	500.0m	
ISC	140.0f	A	CJS	550.0f	F
NC	1.6		VJS	150.0m	V
RB	2	ohm	MJS	136.0m	
IRB	1.5	A	Lfc	110.0p	H
RBM	25.00m	ohm	Lwb	850.0p	H
RE	450.0m	ohm	Lfb	73.0p	H
RC	1.2	ohm	Lwe	145.0p	H
XTB	0		Lfe	280.0p	H
EG	1.11	eV	Cbc	325.0f	F
XTI	1		Ceb	175.0f	F
CJE	2.476p	F	Cce	120.0f	F
VJE	750.0m	V			
MJE	10.00m				



\*Information (including circuit diagrams and circuit parameters) herein is for example only ; it is not guaranteed for volume production.