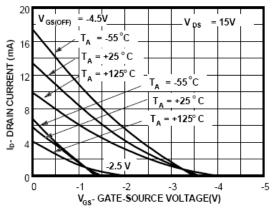
Symbol	Parameter	Test Condition		Min	Тур	Max	Unit
OFF CHAP	RACTERISTICS	•		1	1		
V _{(BR)GSS}	Gate-Source Breakdown Voltage	$I_{G} = -1.0 \ \mu A, V_{DS} = 0$		-25	-	-	V
I _{GSS}	Gate Reverse Current					-1.0 -0.2	nA μA
V _{GS(off)}	Gate-Source Cutoff Voltage	V _{DS} = 15 V, I _D = 10 nA	5484 5485 5486	-0.3 -0.5 -2.0	- - -	-3.0 -4.0 -6.0	V V V
ON CHAR	ACTERISTICS	·					
I _{DSS}	Zero-Gate Voltage Drain Current*	V _{DS} = 15 V, V _{GS} = 0	5484 5485 5486	1.0 4.0 8.0	_ _ _	5.0 10 20	mA mA mA
SMALL SI	GNAL CHARACTERISTICS	•				•	
9fs	Forward Transfer Conductance	V_{DS} = 15 V, V_{GS} = 0, f = 1.0 kHz	5484 5485 5486	3000 3500 4000	- - -	6000 7000 8000	μmhos μmhos μmhos
Re ₍ y _{is)}	Input Conductance	V_{DS} = 15 V, V_{GS} = 0, f = 100 MHz	5484	-	-	100	μmhos
		V_{DS} = 15 V, V_{GS} = 0, f = 400 kHz	5485 / 5486	-	-	1000	μmhos
g _{os}	Output Conductance	V _{DS} = 15 V, V _{GS} = 0, f = 1.0 kHz	5484 5485 5486	- - -	- - -	50 60 75	μmhos μmhos μmhos
Re ₍ y _{os)}	Output Conductance	V _{DS} = 15 V, V _{GS} = 0, f = 100 MHz	5484	-	_	75	μmhos
		V_{DS} = 15 V, V_{GS} = 0, f = 400 MHz	5485 / 5486	-	-	100	μmhos
Re ₍ y _{fs)}	Forward Transconductance	V_{DS} = 15 V, V_{GS} = 0, f = 100 MHz	5484	2500	-	-	μmhos
		V_{DS} = 15 V, V_{GS} = 0, f = 400 MHz	5485 5486	3000 3500			μmhos μmhos
C _{iss}	Input Capacitance	$V_{DS} = 15 \text{ V}, V_{GS} = 0, \text{ f} = 1.0 \text{ MHz}$		-	-	5.0	pF
C _{rss}	Reverse Transfer Capacitance	V_{DS} = 15 V, V_{GS} = 0, f = 1.0 MHz		-	-	1.0	pF
C _{oss}	Output Capacitance	V_{DS} = 15 V, V_{GS} = 0, f = 1.0 MHz		-	-	2.0	pF
NF	Noise Figure	V_{DS} = 15 V, R_{G} = 1.0 k Ω , f = 100 MHz	5484	-	-	3.0	dB
		V_{DS} = 15 V, R_G = 1.0 k Ω , f = 400 MHz	5484	-	4.0	-	dB
		V_{DS} = 15 V, R_G = 1.0 k Ω , f = 100 MHz	5485 / 5486	-	-	2.0	dB
		V_{DS} = 15 V, R_G = 1.0 k Ω , f = 400 MHz	5485 / 5486	-	-	4.0	dB

ELECTRICAL CHARACTERISTICS (T_J = 25°C unless otherwise noted)

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

TYPICAL CHARACTERISTICS





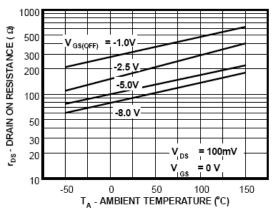


Figure 2. Channel Resistance vs. Temperature

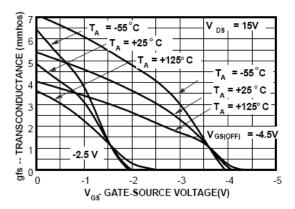


Figure 3. Transconductance Characteristics

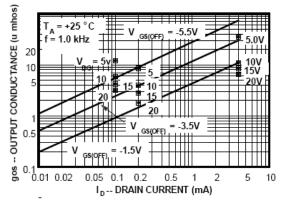


Figure 5. Output Conductance vs. Drain Current

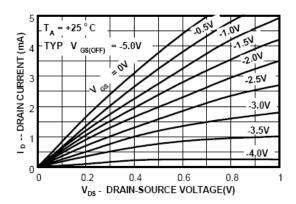


Figure 4. Common Drain–Source Characteristics

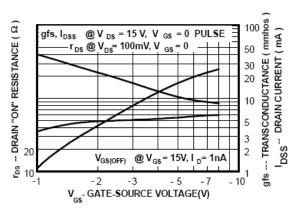


Figure 6. Transconductance Parameter Interactions

TYPICAL CHARACTERISTICS (continued)

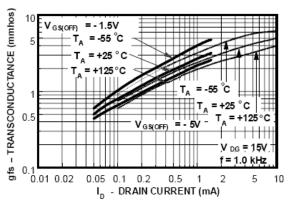


Figure 7. Transconductance vs. Drain Current

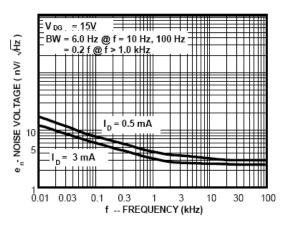


Figure 8. Noise Voltage vs. Frequency

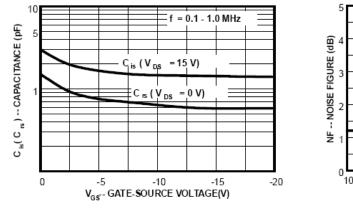


Figure 9. Capacitance vs. Voltage

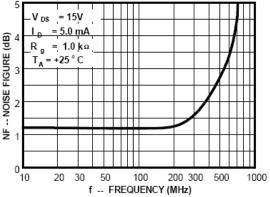


Figure 10. Noise Figure Frequency

COMMON SOURCE CHARACTERISTICS

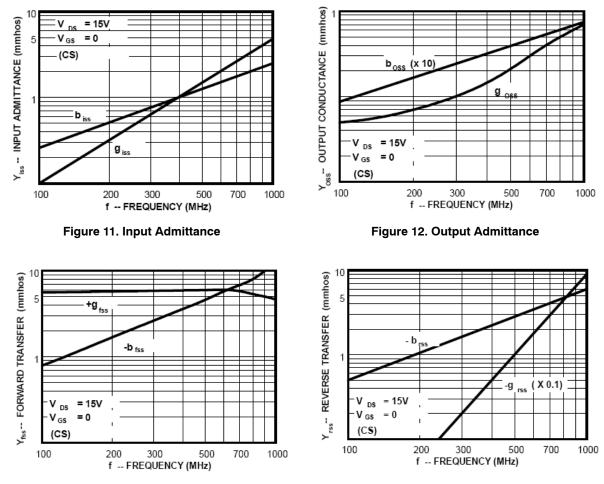
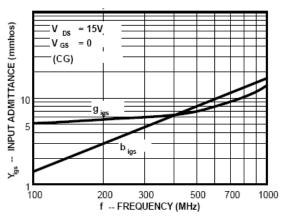
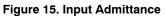


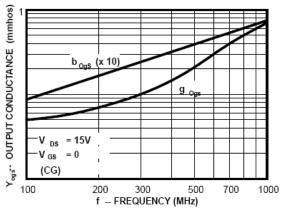
Figure 13. Forward Transadmittance

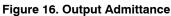
Figure 14. Reverse Transadmittance

COMMON GATE CHARACTERISTICS









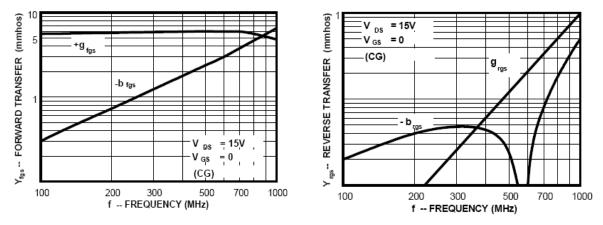


Figure 17. Forward Transadmittance

Figure 18. Reverse Transadmittance





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