

N-Channel General Purpose Amplifier

(continued)

Electrical Characteristics TA = 25°C unless otherwise noted

Symbol	Parameter	Test Conditions	Min	Max	Units
--------	-----------	-----------------	-----	-----	-------

OFF CHARACTERISTICS

$V_{(BR)GSS}$	Gate-Source Breakdown Voltage	$I_G = -1.0 \mu A, V_{DS} = 0$	-40		V
I_{GSS}	Gate Reverse Current	$V_{GS} = -20 V, V_{DS} = 0$		-100	pA
$V_{GS(off)}$	Gate-Source Cutoff Voltage	$V_{DS} = 20 V, I_D = 10 nA$	201	-0.3	-1.5
			202	-0.8	-4.0

ON CHARACTERISTICS

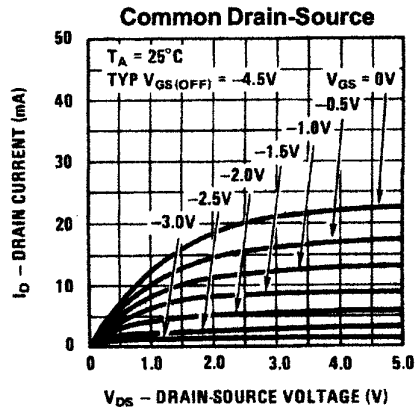
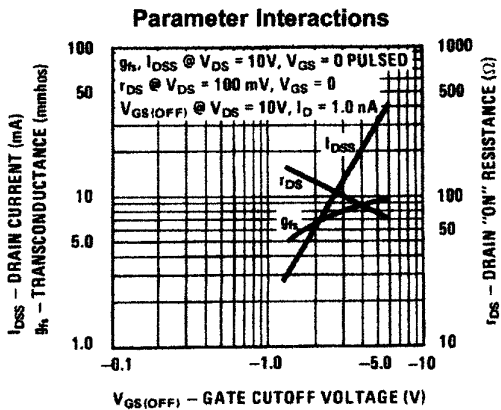
I_{DSS}	Zero-Gate Voltage Drain Current*	$V_{DS} = 20 V, I_{GS} = 0$	201	0.2	mA
			202	0.9	4.5

SMALL SIGNAL CHARACTERISTICS

y_{fs}	Forward Transfer Admittance	$V_{DS} = 20 V, f = 1.0 kHz$	201	500	μmhos
			202	1000	μmhos

*Pulse Test: Pulse Width $\leq 300 \mu s$

Typical Characteristics



J201 / J202 / MMBFJ201 / MMBFJ202