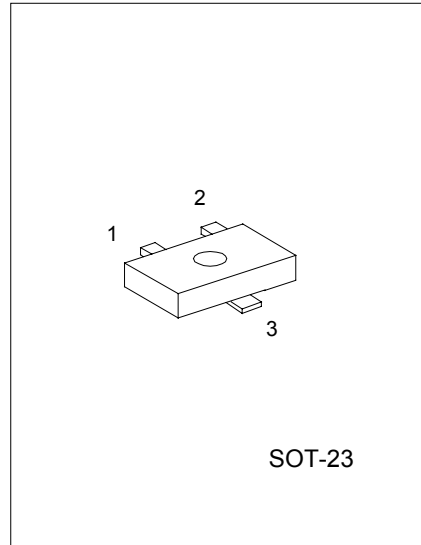


Low-Frequency General-Purpose Amplifier Applications

FEATURES

* Ideal for potentiometers, analog switches, low frequency amplifiers, constant current supplies, and impedance conversion.



1: Drain 2: Source 3: Gate

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATINGS	UNIT
Drain-to-Source Voltage	V _{DSS}	30	V
Gate-to-Drain Voltage	V _{GDS}	-30	V
Gate Current	I _G	10	mA
Drain Current	I _D	20	mA
Allowable Power Dissipation	P _D	200	mW
Junctin Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55 ~ +150	°C

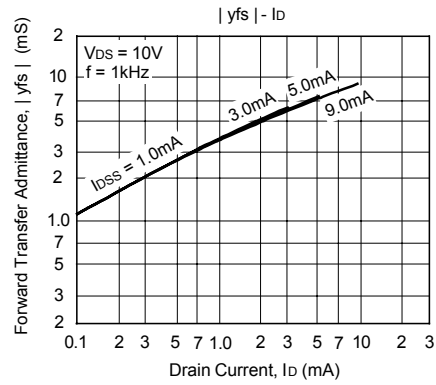
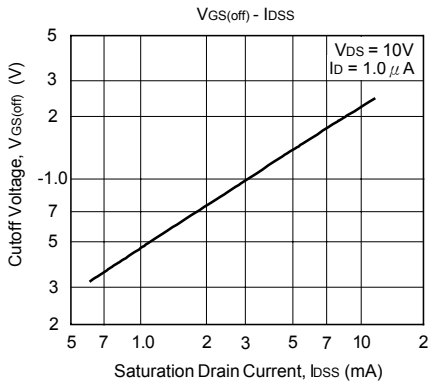
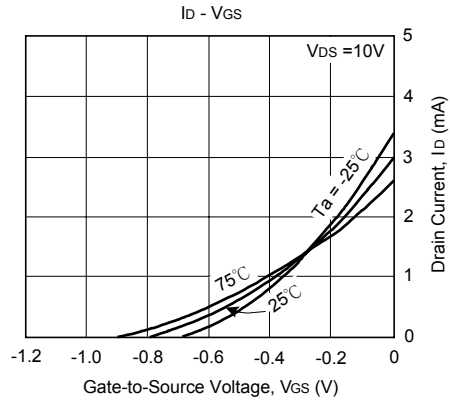
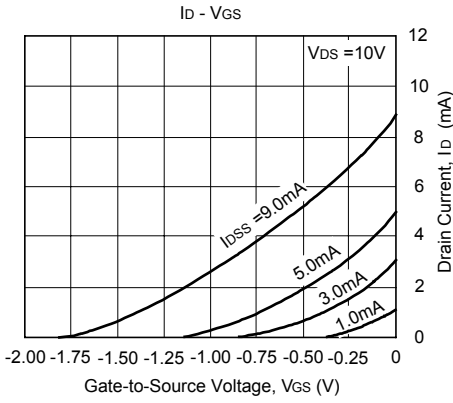
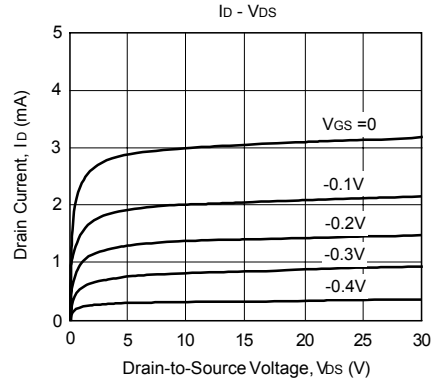
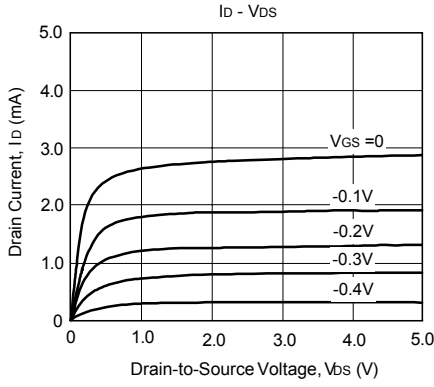
ELECTRICAL CHARACTERISTICS (Ta=25°C)

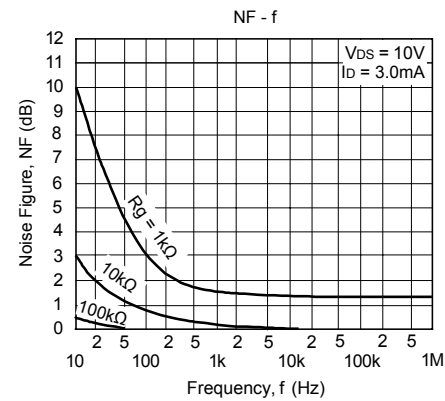
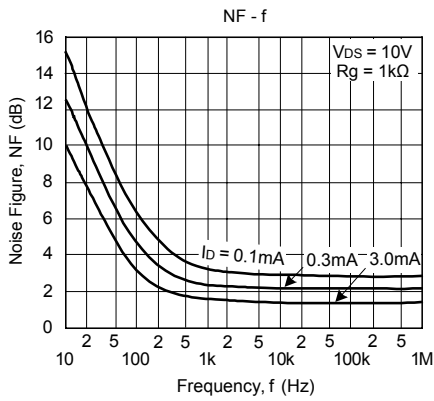
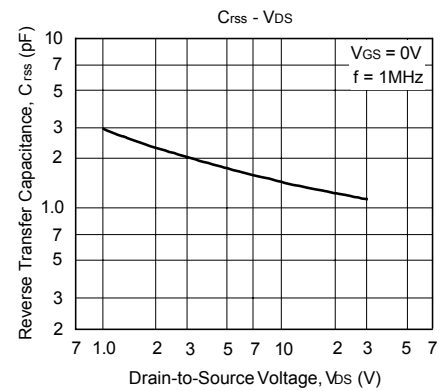
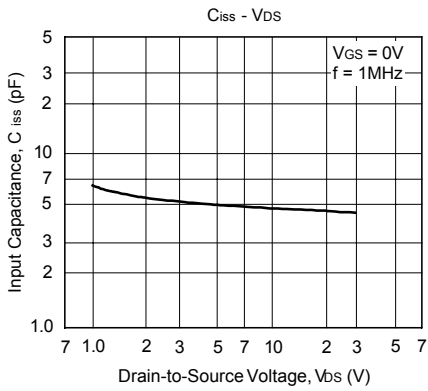
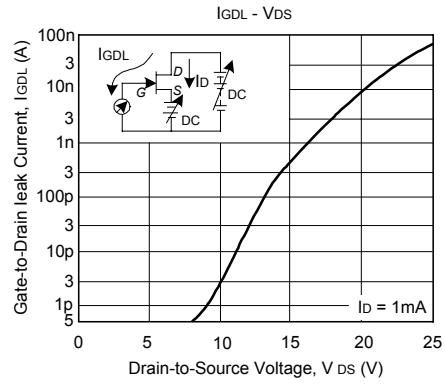
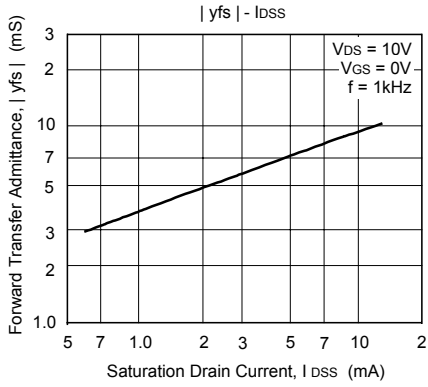
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Gate-to-Drain	V _{(BR)GDS}	I _G =-10 μA	-30			V
Gate-to-Source Leakage Current	I _{GSS}	V _{GS} =-20V			-1.0	nA
Zero-Gate Voltage Drain Current	I _{DSS} *	V _{DS} =10V, V _{GS} =0	0.6*		12.0*	mA
Cutoff Voltage	V _{GS(off)}	V _{DS} =10V, I _D =1 μA		-1	-4	V
Forward Transfer Admittance	y _{fs}	V _{DS} =10V, V _{GS} =0, f=1MHz	2.5	6.0		mS
Input Capacitance	C _{iss}	V _{DS} =10V, V _{GS} =0, f=1MHz		5		pF
Reverse Transfer Capacitance	C _{rss}	V _{DS} =10V, V _{GS} =0, f=1MHz		1.5		pF
Drain-to- Source ON Resistance	R _{Ds(ON)}	V _{DS} =10mV, V _{GS} =0		250		Ω

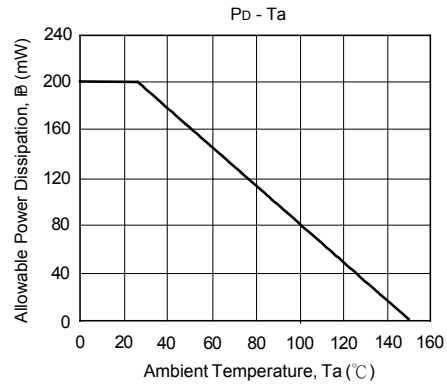
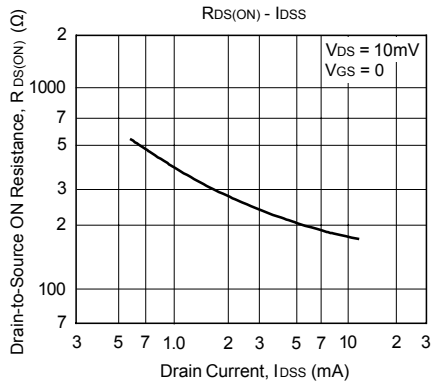
CLASSIFICATION OF I_{DSS}

RANK	V2	V3	V4	V5
MARKING CODE	V2	V3	V4	V5
I _{DSS} (mA)	0.6 ~ 1.5	1.2 ~ 3.0	2.5 ~ 6.0	5.0 ~ 12.0

TYPICAL PERFORMANCE CHARACTERISTICS







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