

n-channel JFET designed for . . .

- Small Signal Amplifiers
- VHF Amplifiers
- Oscillators
- Mixers
- Switches

TYPE	PACKAGE
Single	TO-72
Single	TO-92
Single	Chip



BENEFITS:

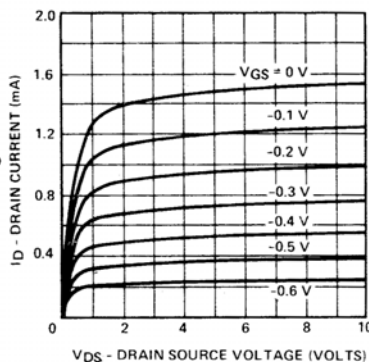
- Wide Input Dynamic Range
High I_G Breakpoint Voltage
- High Gain
- Low Insertion Loss Switches

PRINCIPAL DEVICES

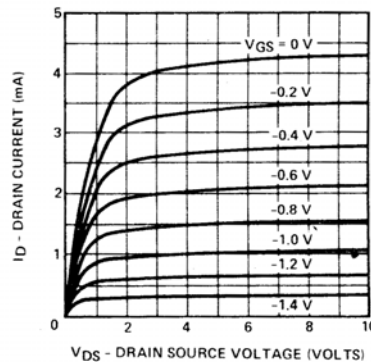
2N3821-4, 2N4220-2, 2N4220A-22A,
2N4223-24, 2N5556-58
2N5457-9, MPF109, MPF111
All of the above

PERFORMANCE CURVES (25°C unless otherwise noted)

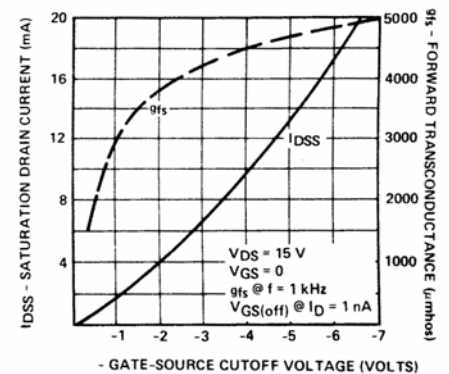
Output Characteristic



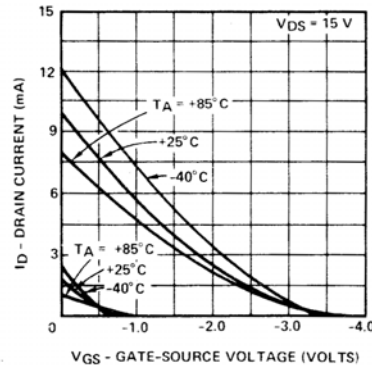
Output Characteristic



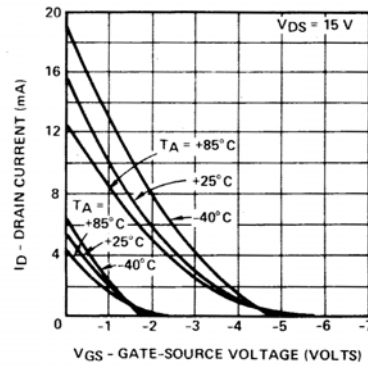
Drain Current & Transconductance vs
Gate-Source Voltage



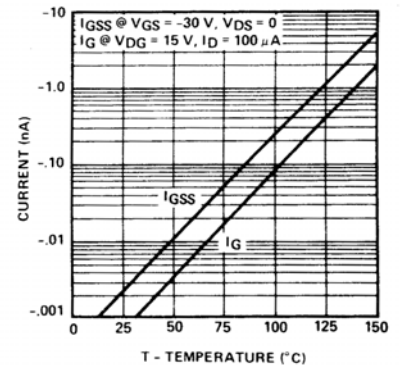
Transfer Characteristic



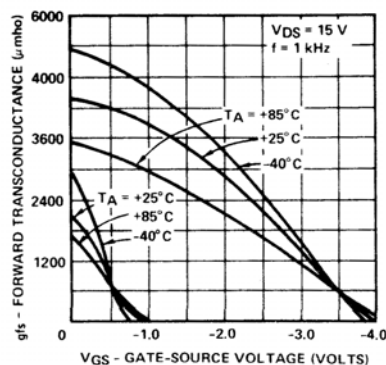
Transfer Characteristics



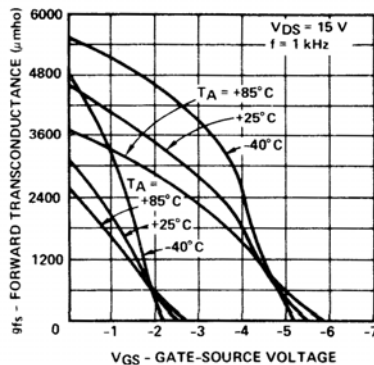
Leakage Currents vs
Ambient Temperature



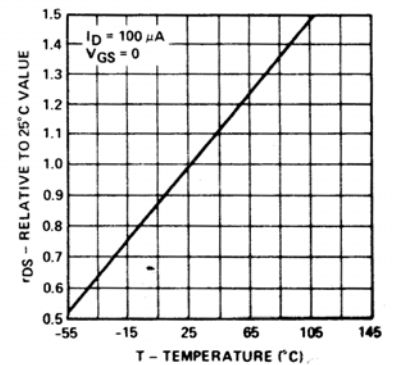
Transconductance Characteristics



Transconductance Characteristics

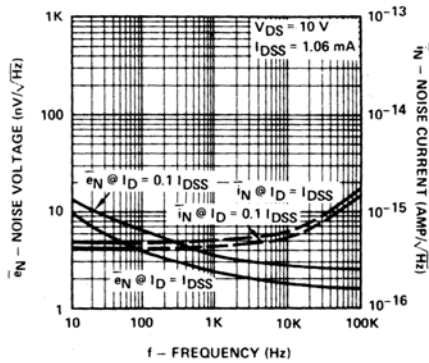


'ON' Resistance vs
Ambient Temperature

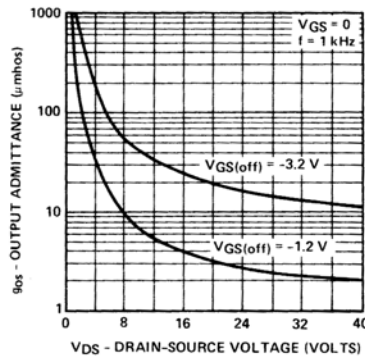


PERFORMANCE CURVES (Con't) (25°C unless otherwise noted)

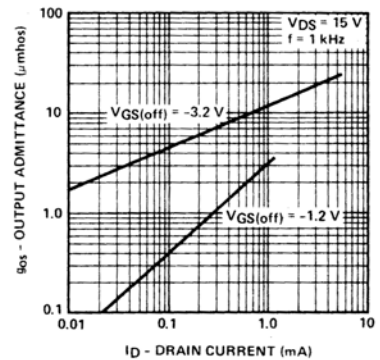
Equivalent Input Noise Voltage and Noise Current vs Frequency



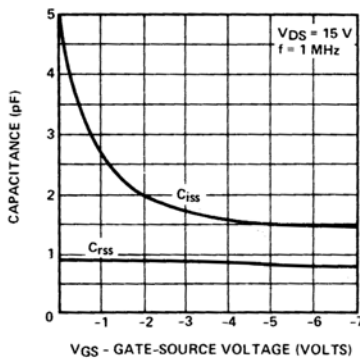
Common-Source Output Admittance vs Drain-Source Voltage



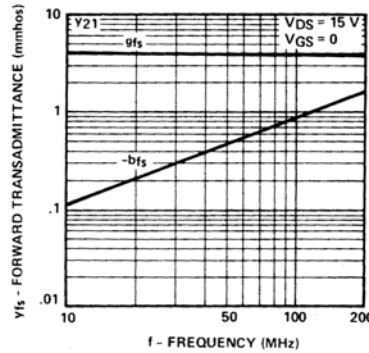
Common-Source Output Admittance vs Drain Current



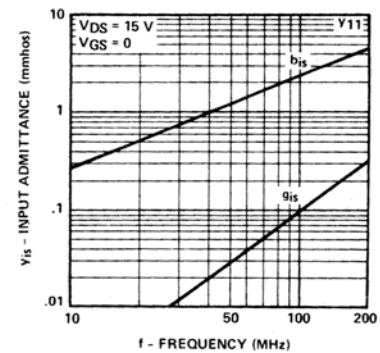
Common-Source Capacitances vs Gate-Source Voltage



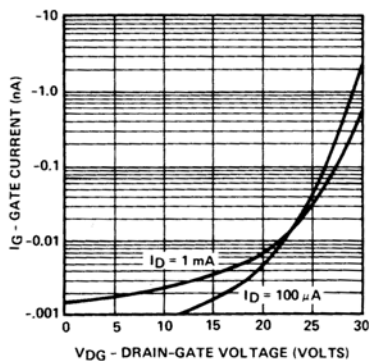
Common-Source Forward Transmittance vs Frequency



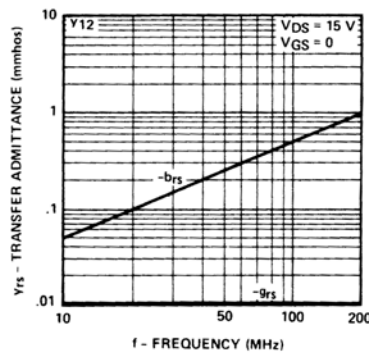
Common-Source Input Admittance vs Frequency



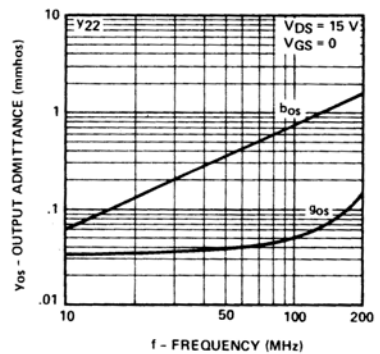
Gate Operating Current vs Drain-Gate Voltage



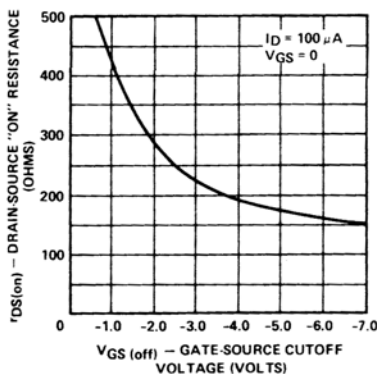
Common-Source Reverse Transfer Admittance vs Frequency



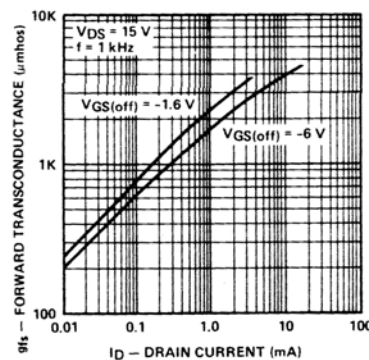
Common-Source Output Admittance vs Frequency



Static Drain-Source 'ON' Resistance vs Gate-Source Cutoff Voltage



Common-Source Forward Transconductance vs Drain Current



Drain Current and Transconductance vs Ambient Temperature

