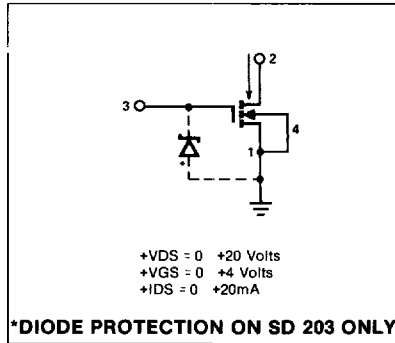


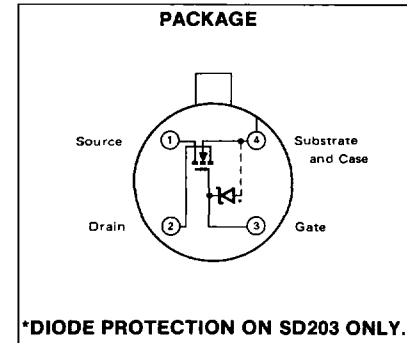
FEATURES

- Ion-implanted for greater control and reliability
- Wide dynamic range
- Positive bias only
- High gain through UHF range - 10dB at 1.5GHz
- Low noise through UHF range - 3.2dB at 1.0GHz
- Low input capacitance - 3.0pF
- Low feedback capacitance - 0.20pF
- High drain-to-source voltage - +25V
- High forward transconductance - 20,000umhos

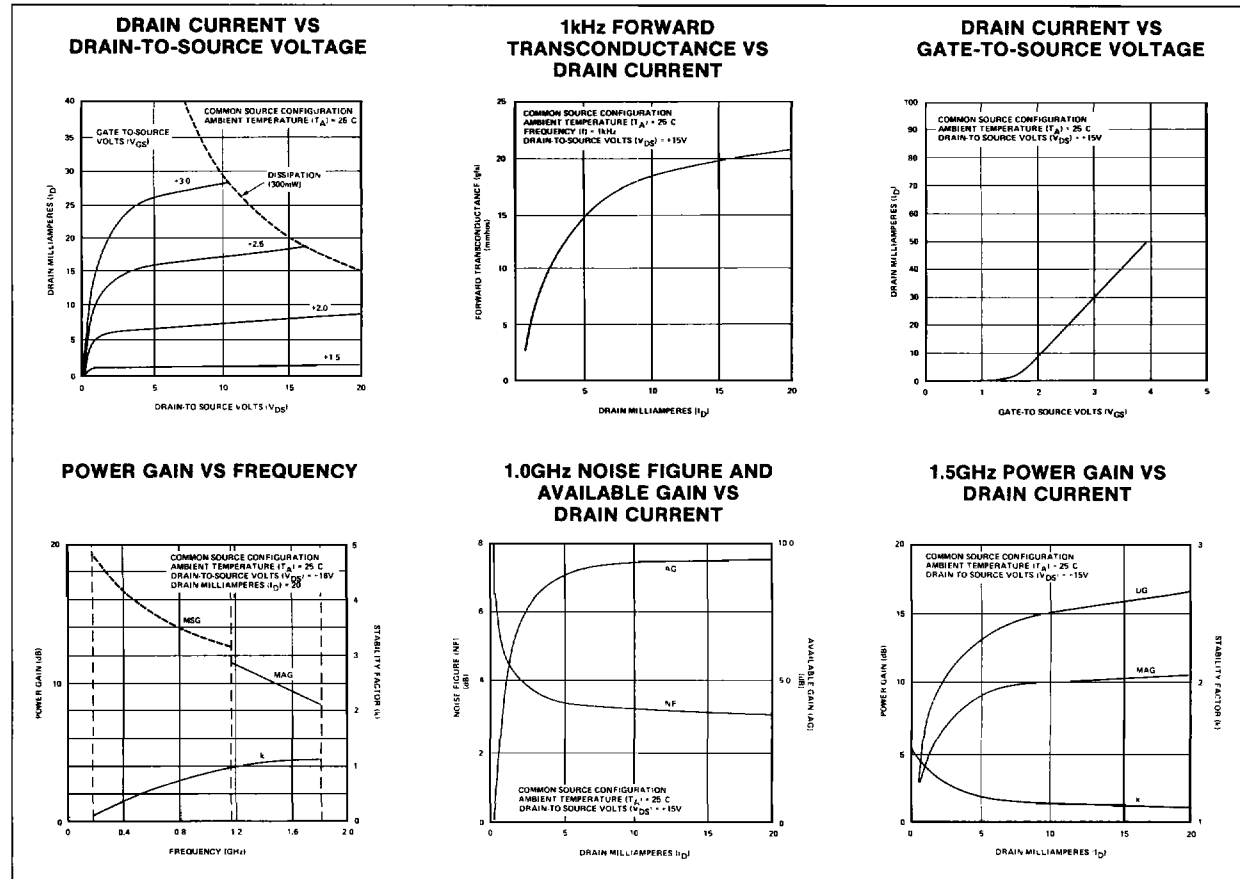
COMMON SOURCE BIAS SCHEME



PIN CONFIGURATION

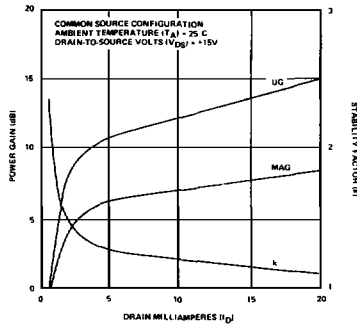


CHARACTERISTIC CURVES



CHARACTERISTIC CURVES (Continued)

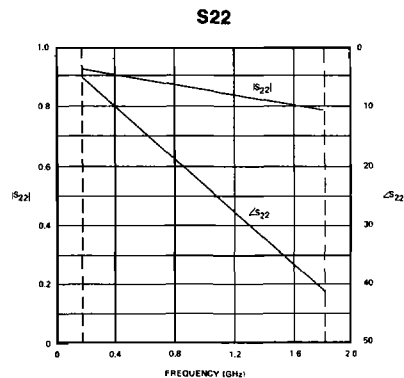
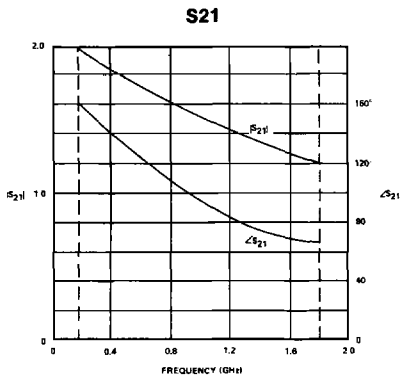
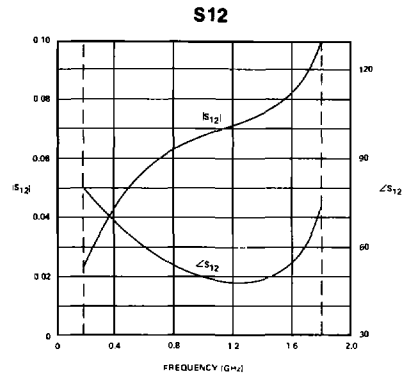
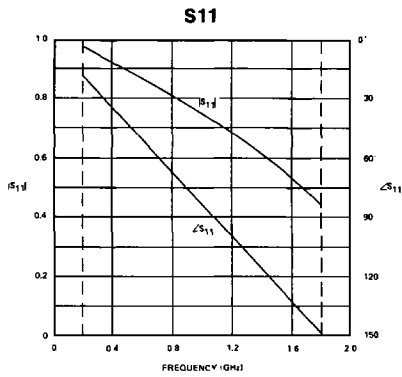
1.8GHz POWER GAIN VS DRAIN CURRENT



"S" PARAMETERS

COMMON SOURCE CONFIGURATION
 AMBIENT TEMPERATURE (T_A) = 25°C

DRAIN MILLIAMPERES (I_D) = 20
 DRAIN-TO-SOURCE VOLTS (V_{DS}) = +15



ANALOG

1GHz NOISE FIGURE AND POWER GAIN TEST FIXTURE

