

The graph displays the relationship between Drain-Source Voltage (V_{DS}) and Drain Current (I_D) for a MOSFET at various Gate-Source Voltages (V_{GS}). The x-axis represents V_{DS} in Volts (V), ranging from 0 to 60. The y-axis represents I_D in milliamperes (mA), ranging from 0 to 5. The curves are labeled with their corresponding V_{GS} values: 0.0 V, -2.0 V, -4.0 V, -6.0 V, -8.0 V, -10.0 V, -12.0 V, -14.0 V, and -16.0 V. The curves for $V_{GS} = 0.0$ V and -2.0 V are red, while the others are blue. The curves show that the drain current increases with V_{DS} and is higher for more negative V_{GS} values.

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