

The figure shows the drain-source current ( $I_{DS}$ ) as a function of drain-source voltage ( $V_{DS}$ ) for a p-type MOSFET. The x-axis represents  $V_{DS}$  in Volts (V), ranging from 0 to 60. The y-axis represents  $I_{DS}$  in microamperes ( $\mu A$ ), ranging from 0 to 1000. The curves are plotted for various gate-source voltages ( $V_{GS}$ ), labeled from 0.0 V to -16.0 V in increments of 2.0 V. For each  $V_{GS}$ , there are two curves: one in red and one in blue. The current increases with  $V_{DS}$  and is higher for more negative  $V_{GS}$  values. The red and blue curves for each  $V_{GS}$  are very close to each other, indicating consistent device characteristics across the two data series.

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