

### Relationship between $I_{CC}$ and Temperature of H8/520

The following information depicts the relationship between  $I_{CC}$  and temperature on the J version of HD6475208 devices. The curve is plotted with  $I_{CC}$  versus  $V_{CC}$  on each graph, the solid line represents  $I_{CC}$  in normal operation ( $I_{CCOP}$ ), whereas the dotted line represents in sleep mode ( $I_{CCSLP}$ ). As shown in the graphs, the  $I_{CCOP}$  increases with increased  $V_{CC}$  and frequency, but decreases with increased temperature. However, within a fixed frequency,  $I_{CCSLP}$  does not seem to vary with the change in the  $V_{CC}$  and temperature. Please also note that these are the characterization data for reference only, and by no means should they be served as guaranteed value.

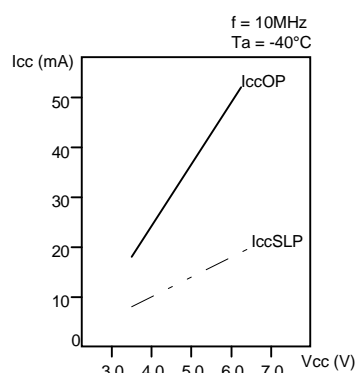


Fig. a

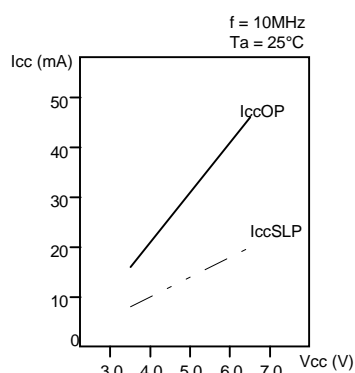


Fig. b

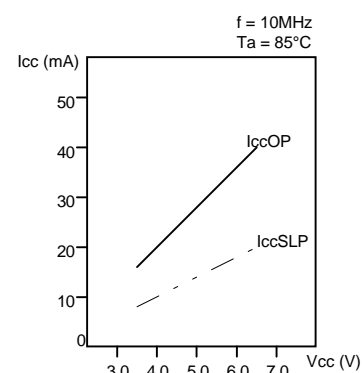


Fig. c

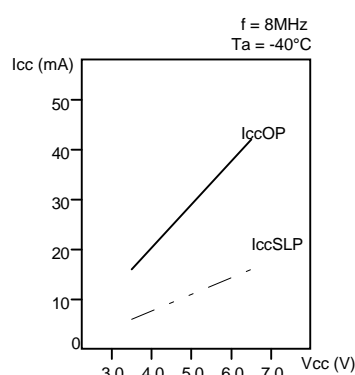


Fig. d

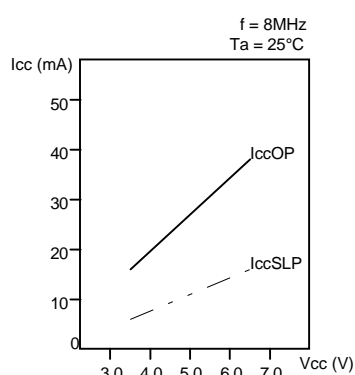


Fig. e

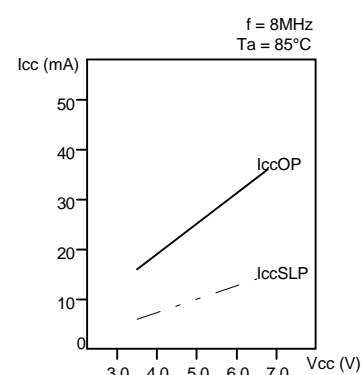


Fig. f

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