SCT CONFIDENTIA

SCT CON

SCT CON

SCT CON

SC

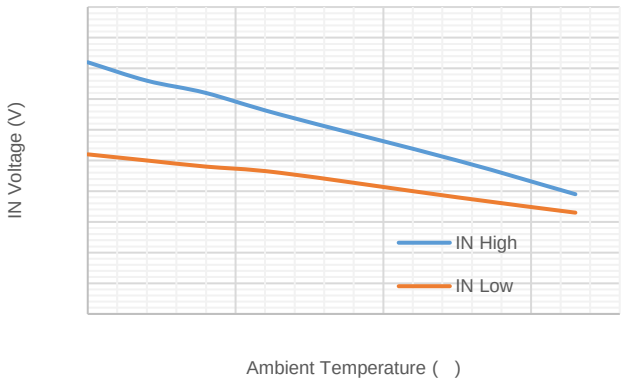

Figure 3. IN Threshold VS Temperature

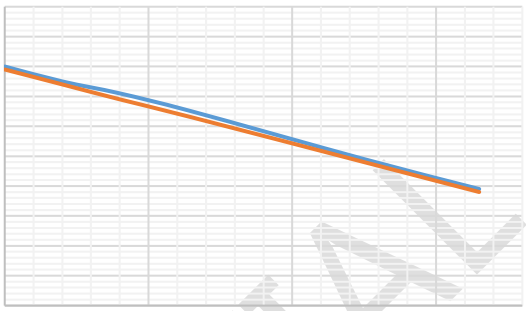

Figure 4. DIAG_EN Threshold VS Temperature

Figure 5. Body-Diode Forward Voltage VS Temperature

Figure 6. $I_{SHUTDOWN}$ vs Input Voltage

Figure 7. I_Q vs Input Voltage

SCT CONFIDENTIAL

 © 2024 Silicon Content Technology Co., Ltd. All Rights Reserved

SCT CONFIDENTIAL

SCTC

S

SCT CONFIDEN

/D\RXW *XLGHOLQH

The PCB layout is very important. Good PCB design can optimize heat transfer, which is absolutely essential for the long-term reliability of the device.

1. Maximize the copper coverage on the PCB to increase the thermal conductivity of the board. Maximum copper is extremely important when there are not any heat sinks attached to the PCB on the other side of the package.
2. More vias should be placed below the device Thermal

SCT CONFIDENTIAL

 © 2024 Silicon Content Technology Co., Ltd. All Rights Reserved

SCT CONFIDENTIAL

 © 2024 Silicon Content Technology Co., Ltd. All Rights Reserved