

SIM接口

ESD保護方案



SIM概述

SIM overview

因常規SIM卡屬頻繁插拔器件，較難避免接觸ESD產生源，為防止在強干擾的情況下出現SIM掉卡的情況，需要ESD保護器件避免工作在設計參數的極限附近，且需要根據被保護迴路及可能承受的ESD衝擊，選擇反應速度足夠快，敏感度足夠高的器件，這對於有效發揮保護器件的作用十分關鍵。另因SIM卡需要有多個接口，因此ESD保護器件的封裝尺寸也需要作為考慮因素

測試標準

standard test

IEC61000-4-2 (ESD) :15KV (air) ;
8KV (contact)

建议产品

Suggested Products

型號：MSKSRV05-4A
model

封装：SOT-23-6
Encapsulation

Because conventional SIM cards are frequently inserted and removed components, it is difficult to avoid contact with ESD sources. In order to prevent the SIM card from dropping under strong interference, ESD protection devices are required to avoid working near the limits of design parameters, and it is necessary to avoid contact with ESD sources. To protect the circuit and the possible ESD impact, select a device with a fast enough response speed and a sufficiently high sensitivity, which is very important for the effective play of the role of the protection device. In addition, because the SIM card needs to have multiple interfaces, the package size of the ESD protection device also needs to be taken into consideration

應用框圖

Application block diagram

