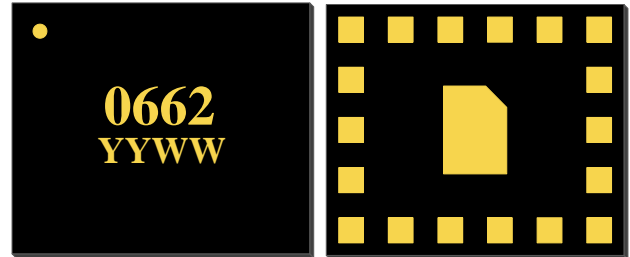


OM8710C-66

Datasheet | 0.4~2.7GHz DP12T MIPI Diversity Switch

Product Features

Broadband frequency range: 0.4 to 2.7 GHz
Low insertion Loss
High isolation and linearity
Integrated, programmable MIPI interface
Dual antenna ports can be connected externally to a low band/high band diplexer
Small package: LGA-20 2.4 x 2.0 x 0.58 mm



Applications

2G/3G/4G multimode cellular tablets and handsets (LTE,UMTS,CDMA2000)
Carrier aggregation diversity (LB/HB)

Product Description

The OM8710C-66 is a dual single-pole six-throw (2XSP6T) switch with a Mobile Industry Processor Interface (MIPI). The OM8710C-66 maintains low insertion loss and high isolation for both transmit and receive switching paths. The high linearity performance and low insertion loss achieved by the OM8710C-66 makes it an ideal choice for carrier aggregation applications. Switching is controlled by an integrated MIPI interface. The two switches can be configured independently. There are separate registers for low and high bands. No need for external DC blocking capacitors unless DC is applied externally. The OM8710C-66 is manufactured in a compact, 18-pin 2.4 x 2.0 x 0.58 mm package. A functional block diagram is shown in Figure 1.

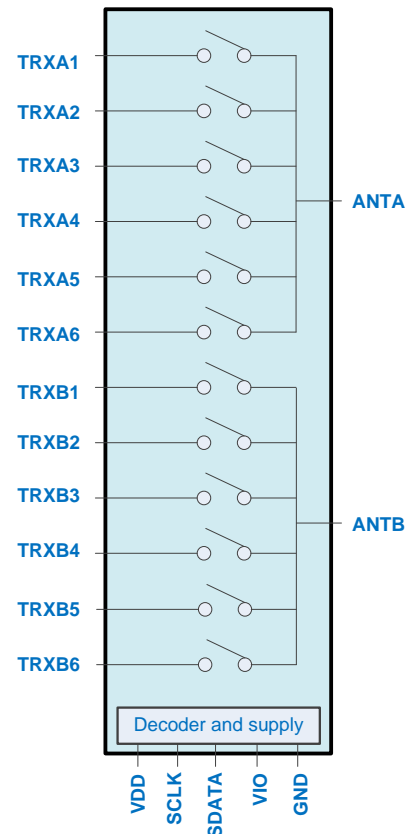


Figure 1 Functional Block Diagram