



162162

17

07 OCT 2002



G00002

HIGH-FREQUENCY SWITCH

ABSTRACT OF THE DISCLOSURE

A high-frequency switch includes a transmission terminal, an antenna terminal, a reception terminal, and a voltage-control terminal; a first diode, the cathode thereof being electrically connected to the transmission terminal, and the anode being electrically connected to the antenna terminal; a first transmission line, electrically connected between the antenna terminal and the reception terminal; a second diode, the cathode thereof being electrically connected to the reception terminal, and the anode being electrically connected to the voltage-control terminal; a second transmission line, one end thereof being electrically connected to the transmission terminal, and the other end being connected to ground; and a capacitor, electrically connected between the voltage-control terminal and ground. The above high-frequency switch can be miniaturized and has superior performance.

Figure 1