

POWER SUPPLY CIRCUIT IN IC CHIP FOR NON-CONTACT IC CARD

ABSTRACT OF THE DISCLOSURE

The capacitance of a smoothing capacitor is reduced, and the size of an IC chip is minimized. A series transistor is provided on the output side of a diode which rectifies the output voltage of an antenna, and the smoothing capacitor is connected to the base of the series transistor. If the current gain of the series transistor T is β , then the apparent capacitance of the smoothing capacitor $C2$ is multiplied by β .

Fig 1