CONDENSER MICROPHONE EMPLOYING WIDE BAND STOP FILTER AND HAVING IMPROVED RESISTANCE TO ELECTROSTATIC DISCHARGE

ABSTRACT

Disclosed is a condenser microphone employing a wide band stop filter, having improved resistance to electrostatic discharge applied from outside. This has an object of providing a condenser microphone capable of being used for or a multi-band by comprising a wide band stop filter capable of efficiently blocking a wide band signal including low frequency and radio frequency used in a mobile communication. To this end, a condenser microphone comprises: an acoustic module for converting sound pressure into variation of an electric signal; a FET for amplifying the electric signal inputted from the acoustic module; and a wide band stop filter for blocking a wide band signal including low frequency and radio frequency outputted from the FET, and being realized by any one or more of resistors and capacitors which are connected selectively according to the radio frequency band between the drain D and the source S of the FET. The condenser microphone according to this construction has advantages in that the range capable of removing EM noise is widened, an excellent filtering effect of noise is obtained, and resistance of electrostatic discharge applied from outside is largely improved.

Figure 3.