

GOLD ALLOY WIRE FOR BALL BONDING

ABSTRACT

There is provided a gold alloy wire for a ball bonding. The gold alloy consists of 10 to 50 ppm by mass of magnesium (Mg); 5 to 20 ppm by mass of europium (Eu); 2 to 9 ppm by mass of calcium (Ca); and a remaining portion being gold (Au) having a purity of a minimum of 99.998% by mass. In the gold alloy wire for a ball bonding, an addition amount of calcium (Ca) is a maximum of half that of europium (Eu).

Fig. 1