GLASS FOR MAGNETIC RECORDING MEDIUM SUBSTRATE, MAGNETIC RECORDING MEDIUM SUBSTRATE, MAGNETIC RECORDING MEDIUM AND GLASS SPACER FOR MAGNETIC RECORDING AND REPRODUCING APPARATUS

ABSTRACT

Provided is a glass for magnetic recording medium substrate, which is an amorphous oxide glass, wherein, in terms of mol%, an SiO_2 content ranges from 45 to 68%; an Al_2O_3 content ranges from 5 to 20%; a total content of SiO_2 and Al_2O_3 ranges from 60 to 80%; a B_2O_3 content ranges from 0 to 5%; an MgO content ranges from 3 to 28%; a CaO content ranges from 0 to 18%; a total content of BaO and SrO ranges from 0 to 2%; a total content of alkali earth metal oxides ranges from 12 to 30%; a total content of alkali metal oxides ranges from 3.5 to 15%; and at least one kind selected from the group consisting of Sn oxide and Ce oxide being included, a total content of Sn oxide and Ce oxide ranges from 0.05 to 2.00%, a glass transition temperature is equal to or higher than 625°C; a Young's modulus is equal to or more than 83 GPa; a specific gravity is equal to or less than 2.85; and an average linear expansion coefficient at 100 to 300°C is equal to or more than 48×10^{-7}/°C.

[No Available Figure]