

ABSTRACT

GLASS SUBSTRATE FOR INFORMATION RECORDING MEDIUM AND
MAGNETIC DISK DEVICE

A glass substrate for an information recording medium has a rotation
5 center (CP), and includes main surfaces and an outer circumferential edge
surface. In the case where a radius of a glass substrate (1G) is R, points R3 on
reference lines (BL) that are located 0.99R apart from the rotation center (CP)
are reference positions, and distances from points located on the main surfaces
that coincide with the reference positions when viewed in an extending
10 direction of a rotation axis (L1) passing through the rotation center (CP), to the
reference positions are deviation amounts, on both the front side and the back
side, differences between the maximum values and the minimum values of
distributions of the deviation amounts in the circumferential direction where
the reference positions are radius positions are 40 nm or less, and a difference
15 between the average value of the distribution of the deviation amounts in the
circumferential direction on the front side and the average value of the
distribution of the deviation amounts in the circumferential direction on the
back side is 10 nm or less.

[FIG. 4]