

ABSTRACT

A disk-shaped glass substrate including a pair of main surfaces is to be made into a magnetic-disk glass substrate by polishing the main surfaces while
5 the glass substrate is held with a polishing carrier, and its outer circumference has a roundness of $1.3\text{ }\mu\text{m}$ or less. A first reference circle is obtained with a least squares method from a first outline corresponding to a shape of a lap around the outer circumference of the disk-shaped glass substrate, and the number of peaks of the first outline that project outward in a radial direction
10 from the first reference circle is defined as a first peak count value. A second reference circle is obtained with a least squares method from a second outline obtained by performing low-pass filtering using a period in which a number of peaks per lap is 150 as a cut-off value on the first outline, and the number of peaks of the second outline that project outward in a radial direction from the
15 second reference circle is defined as a second peak count value. At this time, in the disk-shaped glass substrate, a ratio of the second peak count value to the first peak count value is 0.2 or less.