

This Sheet Has Been Replaced



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REPLACED

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MAGNETIC HEAD APPARATUS

ABSTRACT

The present invention is directed to prevention of breakdown caused by electrostatic discharge in an MR element.

An MR element constitutes a read element. A head support device 2 supports a magnetic head 1. A lead wire 3 is constituted with at least a pair of lead wires 31 and 32 and each of the pair of lead wires 31 and 32 is connected to the read element at one end. A terminal board 5 is provided with at least one pair of terminal conductors 52 and 53 on top of a hard substrate 51. The pair of terminal conductors 52 and 53 are provided with connecting areas 54 and 55 respectively on the same side, to which one end of which are connected the other ends of the lead wires 31 and 32 respectively. The pair of terminal conductors 52 and 53 are electrically shorted from each other by a shorting portion 56 at a rearward position which is away from the connecting areas 54 and 55 over a distance.

Fig. 1