Bit Error Rate Evaluation of MR Heads through a PRML Read Channel

Data Storage Components Business Group
TDK Corporation

The block diagram of the error rate measuring system with the PRML read channel.

(a) Asymmetry=-19% (b) Asymmetry=-9%

(c) Asymmetry=+3% (d) Asymmetry=+26%

The amplitude asymmetry of the MR heads at the sense current (bias current) of 10 mA. (y : arbitrary).

The bit error rate comparison of the MR heads with various amplitude asymmetry ranging from -19 % to +26%.