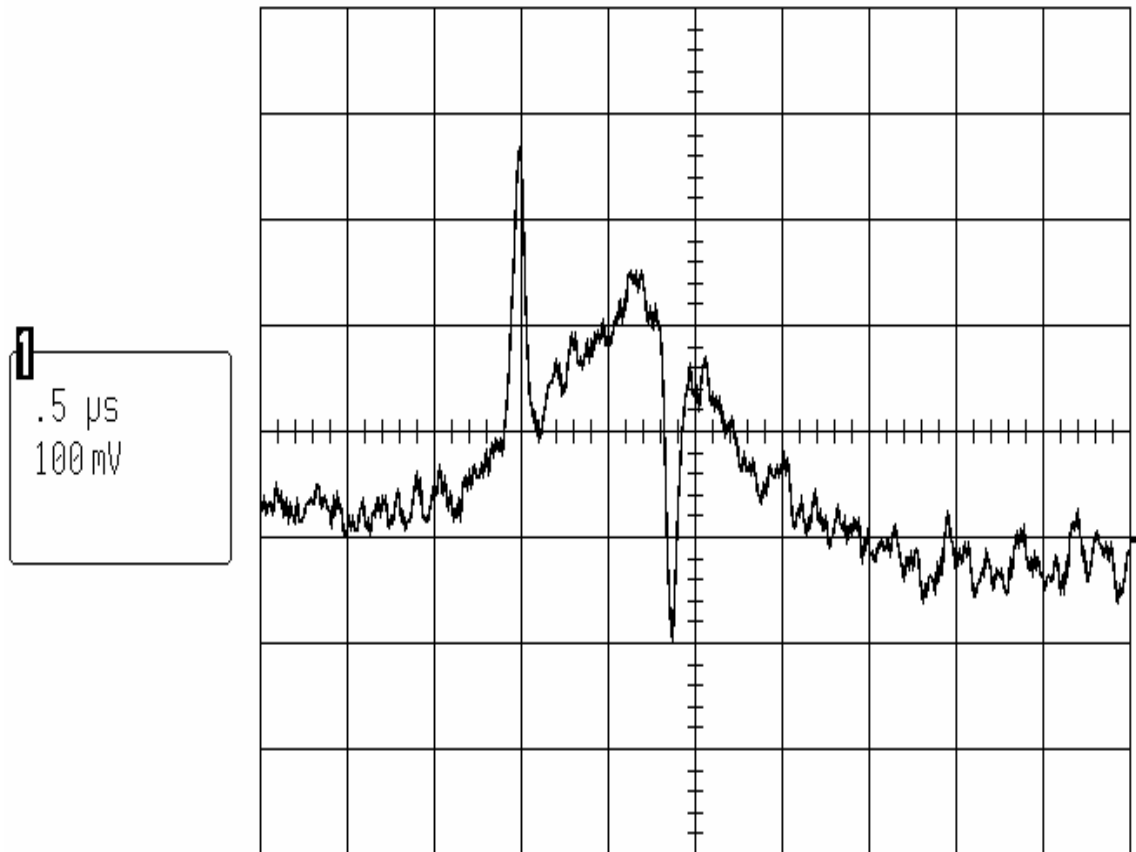


Drawings



To examine the dependence of the measured MR mass spin-valve signal on DC erase polarity, the two wires connected to the write transducer were disconnected, and re-attached to the head paddle board for the opposite polarity to be applied to the write element during erasure.

Figure 114 shows the results at one erase polarity.

The “Mass Spin-Valve” or “Gravity Rectifier”

Michael E. Boyd
5439 Soquel Drive
Soquel, CA 95073
Phone: (408) 891-9677
E-mail: michaelboyd@sbcglobal.net
In Pro Per

Drawings

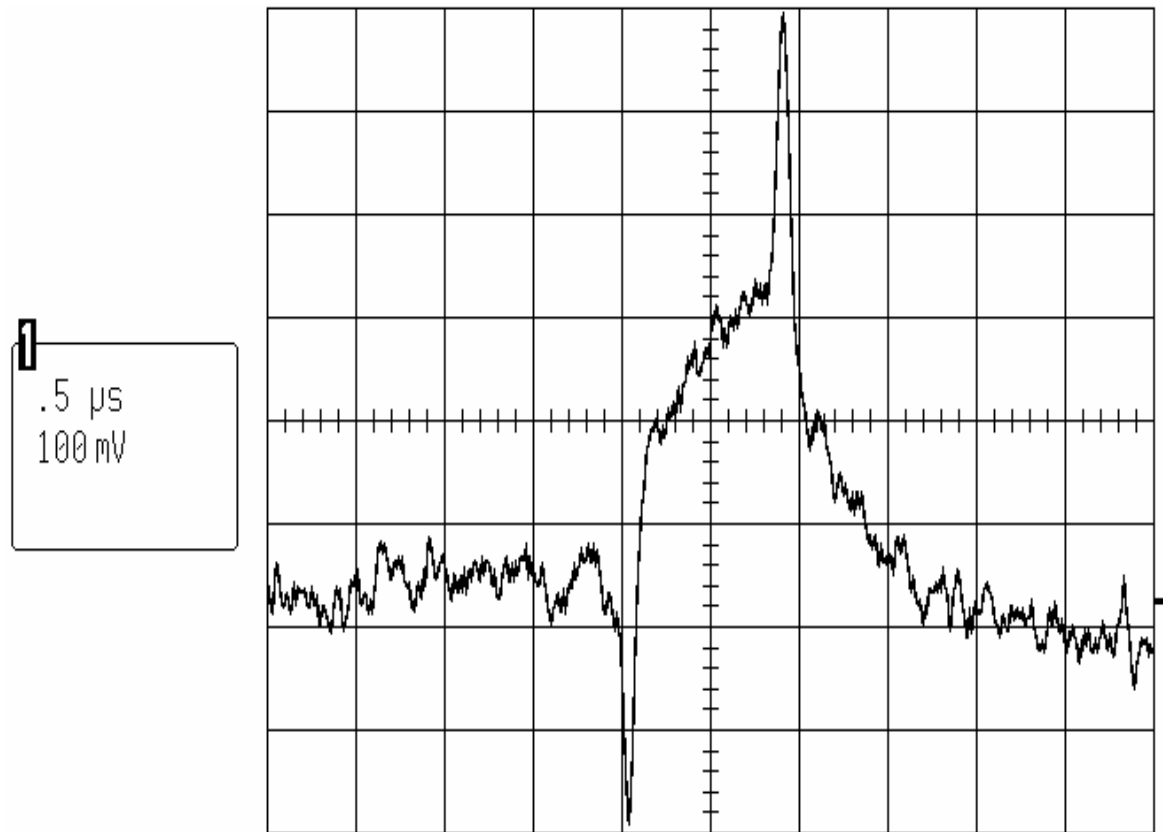


Figure 115 shows at the opposite erase polarity the two MR modulation read back signals corresponding to the switch in the electro-magnetic field's direction produced by the edges of the falling and rising edges of the pit induced by a micro-fabricated defect is dependent on the polarity of DC erase on the MR media; but the MR mass spin-valve signal (i.e., the force field's direction) is independent of the polarity of DC erase.

The "Mass Spin-Valve" or "Gravity Rectifier"

Michael E. Boyd
5439 Soquel Drive
Soquel, CA 95073
Phone: (408) 891-9677
E-mail: michaelboyd@sbcglobal.net
In Pro Per