SUBJECT: HMC1052L Atypical Repeatability Error

Scope of Product Affected
Honeywell HMC1052L parts marked (bottom line) with Lot “292” or later. Parts of the affected date codes have been shipping since 2Q2013.

Description of Condition
Parts have been observed to exhibit atypical noise performance for Repeatability Error at some portion of Set/Reset current range for the HMC1052L. Parts using a Set/Rest pulse above 700mA may show repeatability that is above the “Typical” value listed in the datasheet.

System Effects
Effect of this repeatability error depends on the application but may show degraded sensor performance.

Disposition/Recommendations
This behavior has been observed in a single customer-specific application, and is not thought to affect most customer uses at typical current range for Set/Reset current. Customers are advised to maintain Set/Reset currents between 400mA and 700mA to achieve the best possible performance of the sensor where repeatability is critical for the customer system. If you have any questions, please contact customer service at 1-800-323-8295.

Honeywell Actions
Honeywell is investigating the cause of the atypical parametric variation.