



HARWIN

Component Specification

C04304

Coin Cell Battery Retainers (S82xx range)
November 2022

SECTION	TITLE	PAGE
1	Description of Retainers and Intended Application	2
2	Ratings	2
Appendix 1	Test results – Vibration	3
Appendix 2	Test results – Bump & Shock	6

1. DESCRIPTION OF CONNECTOR AND INTENDED APPLICATION

The S82xx range of surface mount coin cell retainers are available in a range of sizes to suit coin cells from CR1220 to CR2032. Designed for use in memory back-up and stand-by applications including:

- Hand-Held devices
- Industrial computing
- On-board memory power supplies
- Medical equipment
- Set-top boxes

The retainers are manufactured from phosphor bronze for reliability and corrosion resistance. The design is a single piece, low profile SMT contact, with dual springs. Polarity is clearly marked. The gull-wing SMT terminations feature flow-hole solder pad design for added board retention. Supplied in tape & reel packaging that complies with ANSI/EIA-481 standard, the contacts are balanced and lightweight for pick and place processes.

2. RATINGS

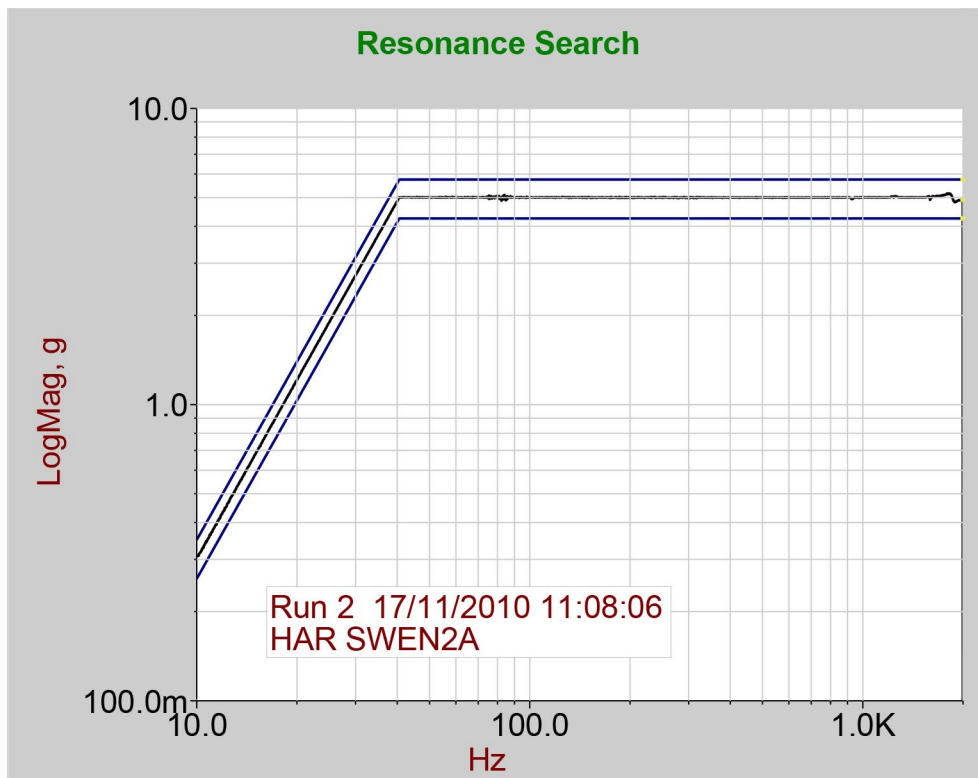
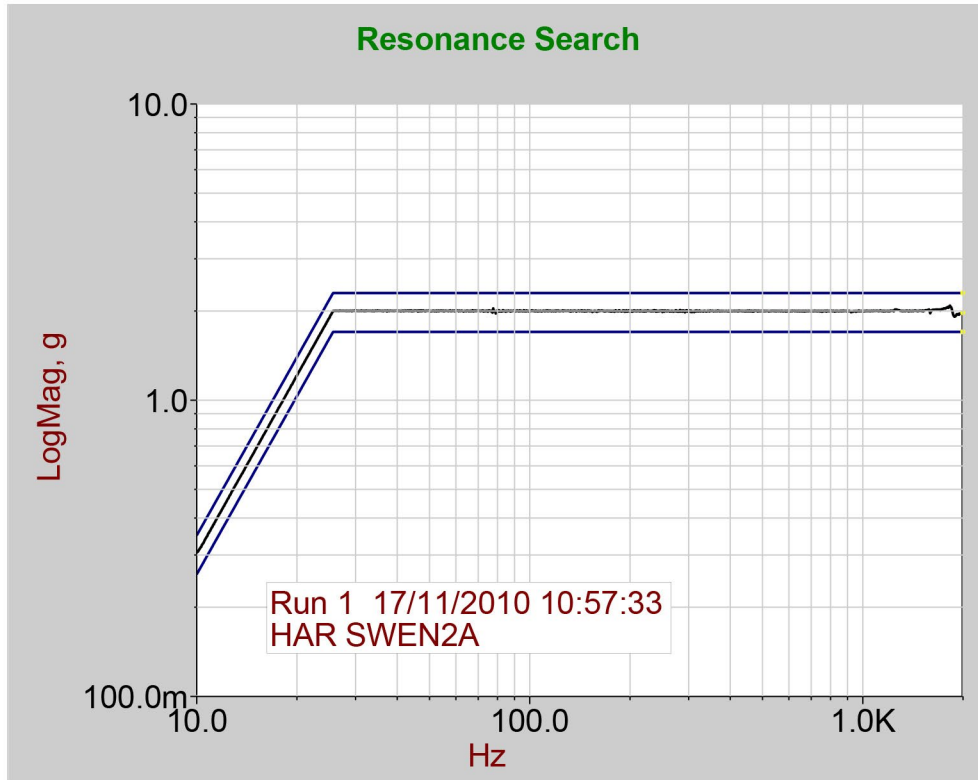
2.1. Material & Finish

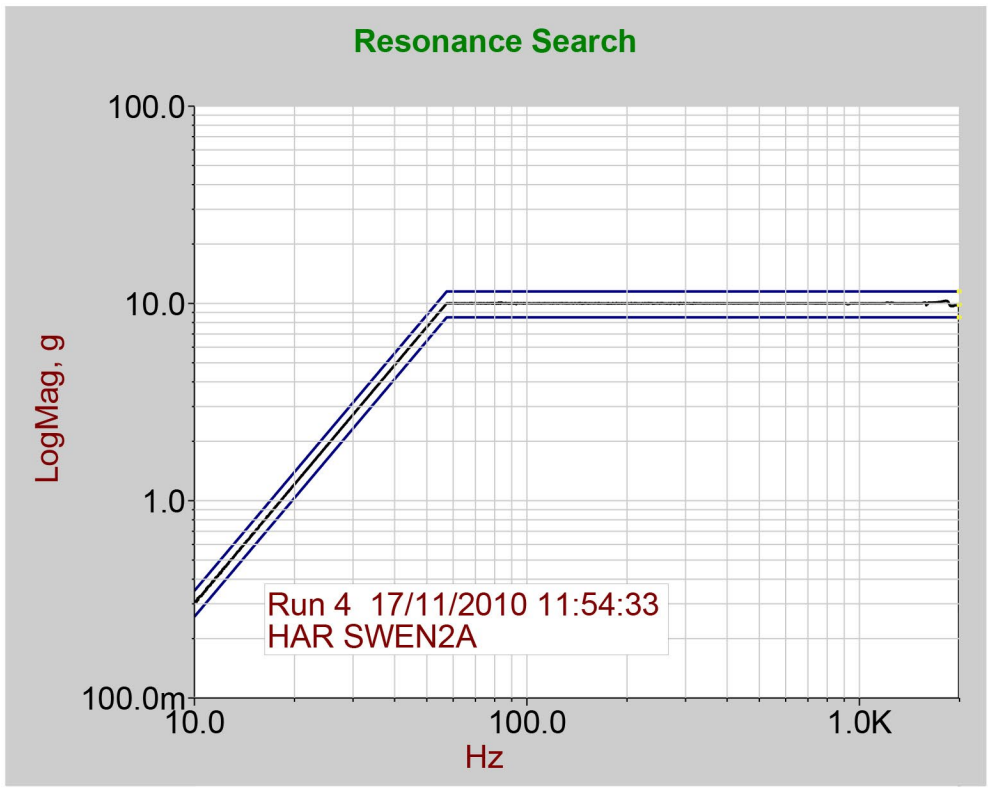
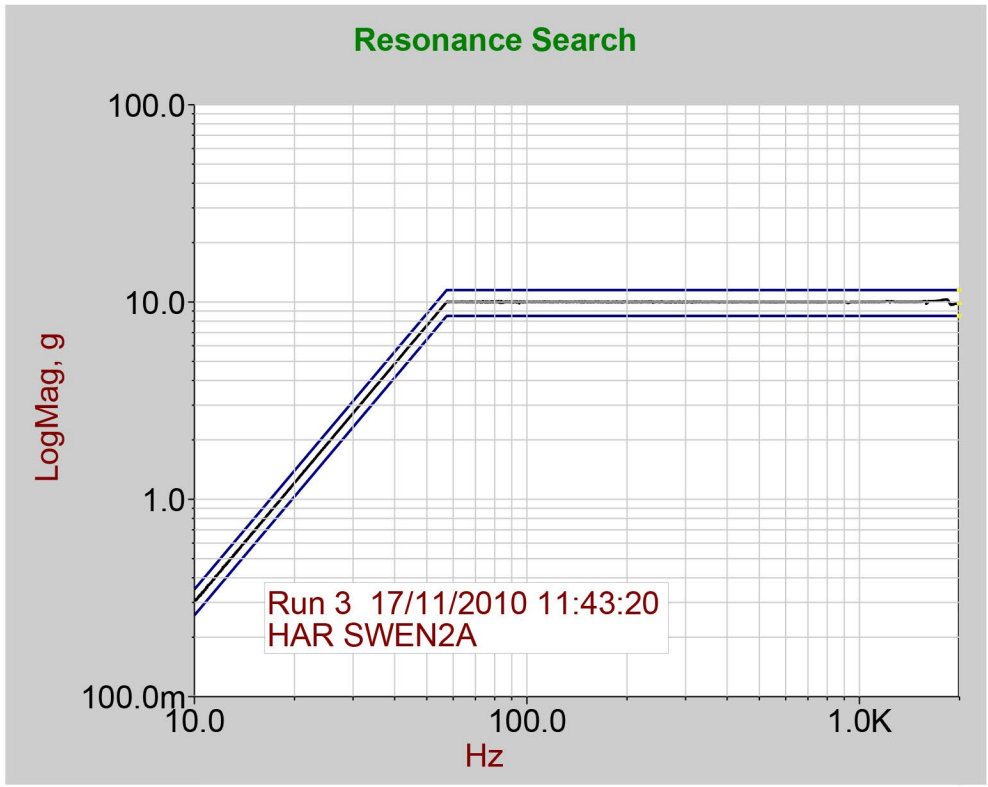
Base Material Phosphor Bronze
 Plating finish Tin over Nickel

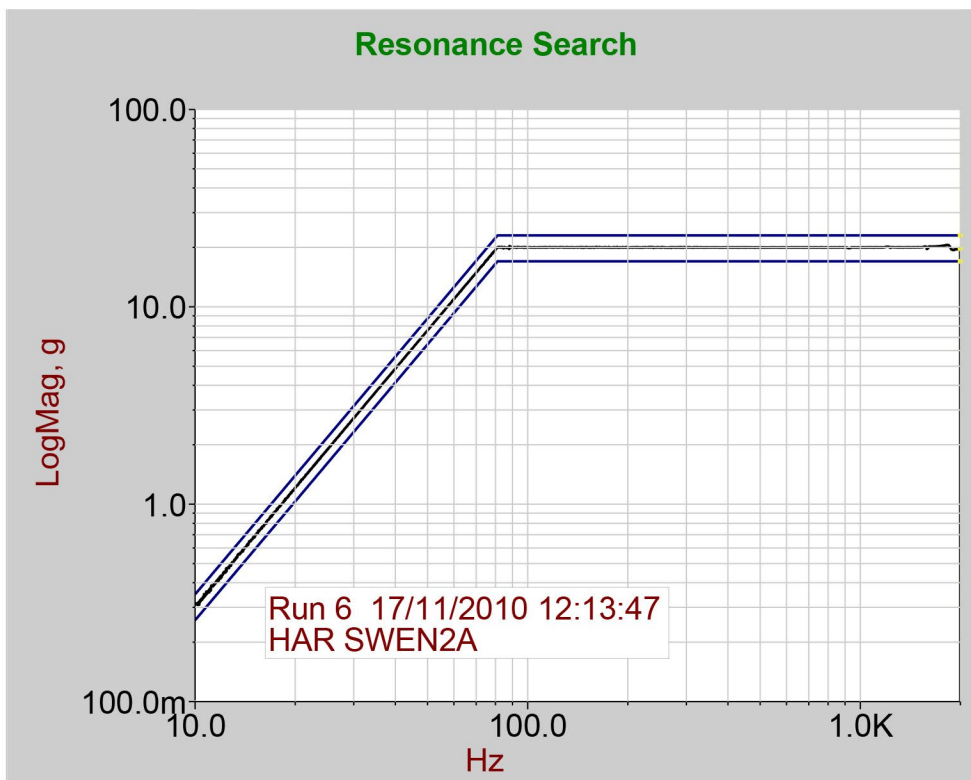
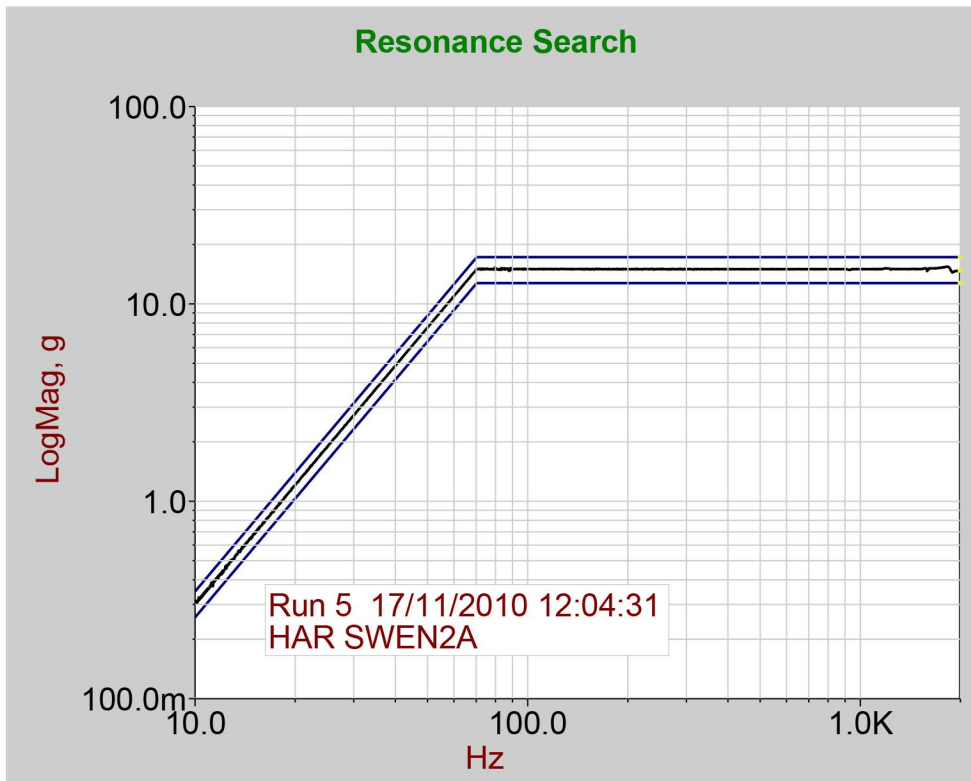
2.2. Environmental Characteristics

Operating Temperature -40°C to +105°C
 Vibration 10Hz to 2000Hz to 10Hz, 392m/s²
 (40G) – see Appendix 1
 Mechanical Shock 490m/s² (50G) 11.0ms, 3.4m/s half sine
 wave – see Appendix 2
 Durability 50 cycles (anticipated, full testing in
 progress)

APPENDIX 1 – VIBRATION TEST RESULTS







APPENDIX 2 – BUMP & SHOCK TEST RESULTS

