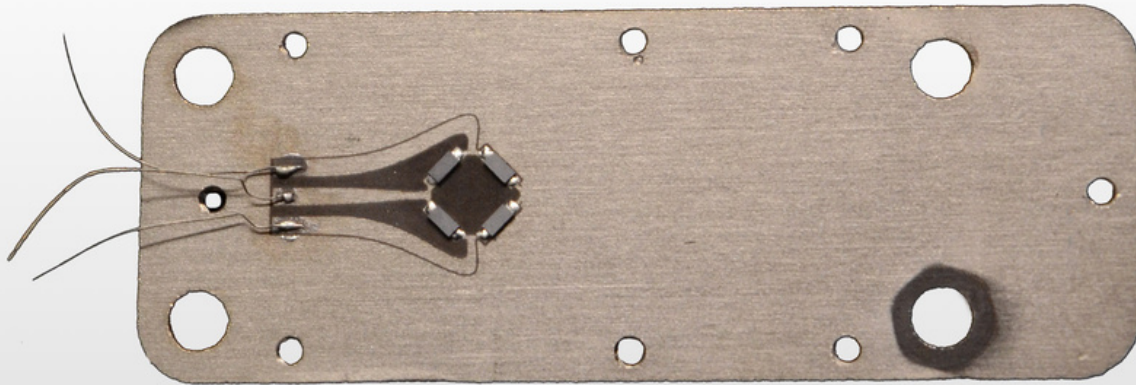




# SUPROCKTECH SURFACE MOUNT STRAIN GAGES



## Suprock Technologies is bringing strain gaging into the 21st century

Since 1938, strain gages have brought unquantifiable advances to materials science. However, their manufacturing and application has always been a time consuming and laborious process.

Our surface mount gages can be mass produced, and their application automated using existing electronics manufacturing techniques. They can be soldered or brazed directly to circuit boards or metal/ceramic shims for field installations that take seconds.

With an intrinsic gage factor of 150-155, their sensitivity vastly outperforms foil gages while their silicon construction remains stable with excellent frequency response even at temperatures up to 1,000°F.

## Technical Specifications:

- Temp coefficient of resistance 15-18%
- Gage factor coefficient of resistance with temp -18 to -22%
- DC resistance from 3k to 10kΩ (Custom resistances available)
- Surface mount leadless
- Compatible with lead-tin, SAC305, gold eutectic and bismuth solders
- Available in 0603, 4mmX0.5mm long pattern bar gage, or bespoke sizes
- Gage factor intrinsic to the gage 150-155
- Application gage factor depends load path and substrate
- Service temp up to 1,000°F or solder melting temperature
- Compatible with silver brazing alloys for high temp operation
- No hysteresis intrinsic to gage (hysteresis is application dependent)
- Can be made into any bridge configuration



Gages installed directly on aluminum circuit board in a fully integrated torque monitoring telemetry module

For more information contact Suprock Technologies  
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