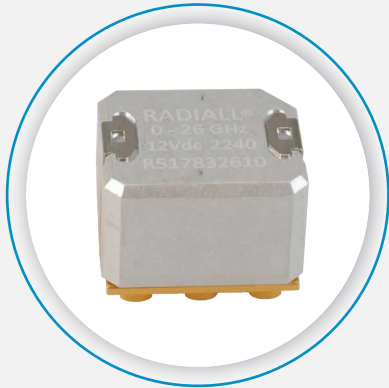
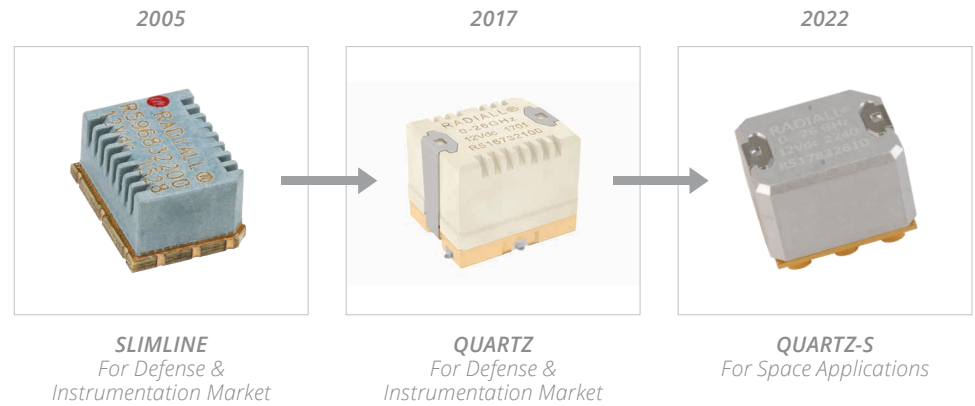


QUARTZ-S

SMT Electro-Mechanical
Switch for Space



As a leader in the space market, Radiall created a new electro-mechanical space qualified switch. This new SMT (Surface Mount Technology) switch is perfectly suited for HTS or VHTS satellite payloads with redundant systems. This micro-miniature solution is cost effective, making integration into existing constellation applications easy.



Based on the Quartz design, the Quartz-S is a unique SMT electro-mechanical relay qualified up to 32 GHz. As a partner in the Selector project (funded by European commission with three partners), Radiall designed, evaluated and qualified this new SMT relay.

FEATURES & BENEFITS

- Reliability up to 100,000 actuations hot switching
- RF performance up to 32 GHz
- Small and lightweight (10 g)

APPLICATIONS

- HTS and VHTS satellite payload
- Constellations



Small, lightweight solution that offers reliability. Easy to use and fully compatible with automatic soldering processes.

- SPDT 6 V or 12 V
- Latching
- DC-32 GHz
- 10 grams
- Operating life: up to 50,000 cycles hot switching, up to 250,000 cycles cold switching
- ESCC specification: 3603 updated, detail specification 3603/007.
- Power capability:

QUARTZ-S RF POWER RANGE

