



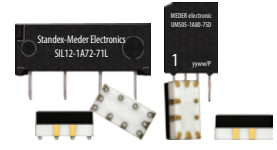
### high frequency

- Ability to carry RF signals from DC up to 7GHz
- Internal coaxial shields for 50 Ω impedance
- <0.5 picofarad switch to shield capacitance



### high voltage & isolation

- Up to 10kVDC switching
- Up to 15kVDC isolation
- Switching currents up to 3 amps and carry currents up to 5 amps



### high density

- Small thru-hole and SMT packages for closely stacked matrices
- Multiple pole packages for reduced material handling
- High voltage and high carry currents in standard packages

### intrinsically safe

- ATEX/IECEX approved relays and optocouplers
- High isolation and non-arcing
- ATEX relays used for galvanic separation



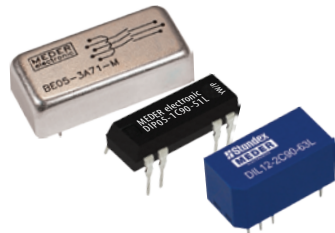
### low thermal

- Thermal offset <1μV
- Insulation resistance >10<sup>12</sup>Ω
- High voltage isolation up to 1.5kVDC



### general purpose

- Hermetically sealed reed switch technology
- Multitude of package sizes in SMT and thru-hole
- Long life expectancy and high insulation resistance



### relay modules

- 4-8 pole relays in single package
- Built-in relay drivers and shift registers
- Up to 4GHz RF signals



We partner, solve, and deliver® custom engineered solutions using reliable, hermetic sealed reed switch technology to meet the demands of our customers. Our versatile engineering expertise in magnetic switching technologies and custom packaging allows us to be a one-stop-shop for your reed relay requirements.



#### manufacturing

- Automated Optical Inspection (AOI)
- Auto AT Switch Sorting
- SMT Line with Pick & Place & Reflow
- Reed Switch Manufacturing
- Reed Relay Design & Manufacturing
- Automatic CNC Winding & Termination
- Bobbin, Layer, & Self-Supporting Winding
- Thermoplastic & Thermoset Overmolding
- Wave & Selective Soldering
- Low Pressure (Hot Melt) & Injection Molding
- Potting - 2 Component
- Reflow Oven – Multiple Zone Convection
- Stainless Steel, Metal & Plastic Fabrication
- Lean Manufacturing Principles



#### engineering

- 3-D CAD Modeling & Printing
- Mechanical Design & Packaging
- Rapid Prototyping
- Magnetic Simulation Software
- Mechanical, Thermal & FEA Analysis
- Plastic Mold Flow Simulation
- APQP Project Management



#### testing + tooling

- High Voltage/Partial Discharge Testing
- Specialized Lab Testing Equipment:
- Network Analyzers, Nanovoltmeters, Gauss
- Teslameters, Fluxmeters, Picoammeters
- Full Load & Temperature Rise Testing
- Digital Microscopic Inspection
- 2-D/3-D Micro Focus X-ray Inspection
- Mechanical, Shock & Vibration
- Thermal Shock & Temperature Cycling
- Humidity, Salt Fog, & Solderability
- Complete, In-House Machine Shop



#### quality/ certifications

- AS9100 Certified
- ISO9001 Certified
- IATF16949 Certified
- UL & ATEX Certified
- ITAR Compliance
- Regulatory Agency Approvals
- PPAP & First Article Inspection
- SPC Data Collection
- RoHS, REACH, UL, ATEX & IECEx