



TEST & MEASUREMENT

SPECIALIZED SWITCHING SOLUTIONS

*Measurements Covering Several Orders of Magnitude from
Nanovolts to Kilovolts and Femptoamps to Amps*

TEST & MEASUREMENT

SWITCHING SOLUTIONS WITH SUPERIOR FUNCTIONALITY, LONGEVITY AND RELIABILITY



AUTOMATED TEST EQUIPMENT (ATE)

- IC TESTERS
- CHIP TESTERS
- CABLE TESTERS
- PCB TESTERS
- WAFER TESTERS
- HIGH VOLTAGE TESTERS
- LOGIC TESTERS
- MEMORY TESTERS
- INSULATION TESTERS
- PRECISE TESTERS
- FUNCTIONAL PCB TESTERS
- DISCRETE SEMICONDUCTOR TESTERS

MODULAR INSTRUMENTATION

- ELECTROMETERS
- FLOW METERS
- OSCILLOSCOPES
- HIGH-SPEED DIGITIZERS
- DIGITAL MULTIMETERS (DMMS)
- HAND-HELD INSTRUMENTS
- BATTERY POWERED INSTRUMENTS
- GEOTHERMAL/SEISMIC INSTRUMENTATION
- SIGNAL GENERATORS
- HIGH-SPEED DIGITAL I/O DEVICES
- HIGH-FREQUENCY (RF) DEVICES
- PROGRAMMABLE POWER SUPPLIES
- SOURCE MEASURE UNITS (SMUS)

HIGH ISOLATION & SPECIALIZED EQUIPMENT

- DATA ACQUISITION
- DATA LOGGERS
- DATA SCANNERS
- MATRIX SWITCHES
- MULTIPLEXERS (MUX)
- MULTI-POINT RECORDERS
- NETWORK ANALYZERS
- PRINTERS
- TIMERS
- RF APPLICATIONS
- INTERFACES / NETWORK CARDS
- CONTROLLER FOR CIRCUIT ISOLATION
- DATA BUS ISOLATION
- CONTROL TECHNOLOGY / NETWORK ENGINEERING

ELECTRICAL & MECHANICAL BENEFITS

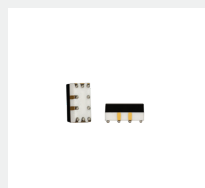
- VERY SMALL SIZE AND PROFILE
- MINIMAL POWER CONSUMPTION
- PERFECT ISOLATION BETWEEN CONTROL & LOAD CIRCUIT
- LOW AND HIGH LEVEL LOAD SWITCHING POTENTIAL
- LONG LIFE, BILLIONS (10⁹) OF OPERATIONS (LOAD RELIANT)
- MULTI-POLE CONFIGURATIONS UP TO 8 POLES
- FORM A, B, C, AND E VERSIONS
- STABLE LOW CONTACT RESISTANCE <150 mΩ
- HIGH FREQUENCY SIGNALS
- LOW THERMAL OFFSET VOLTAGE <1μV
- HIGH INSULATION RESISTANCE >10¹⁴ Ω
- ABILITY TO SWITCH UP TO 10,000 VDC
- BREAKDOWN VOLTAGES/DIELECTRIC STRENGTH UP TO 15 kVDC
- CARRY CURRENTS TO 5 AMPS CONTINUOUS (10 AMPS PULSED)
- SHOCK RESISTANT TO 100 G, VIBRATIONS 50–2,000 Hz AT 20 G
- HERMETICALLY SEALED SWITCHES
- OPERATE TIMES IN THE 500 μS TO 3 mS RANGE
- SUITABLE FOR HIGH DENSITY MATRIX ASSEMBLY
- WIDE ARRAY OF COIL RESISTANCES
- NUMEROUS PACKAGE STYLES AND PIN-OUTS

INTEGRATED CIRCUITS

- VLSI
- ASICs
- MICROPROCESSORS
- ANALOG CHIPS
- DISCRETE ICs
- DIGITAL MEMORY CHIPS
- MIXED SIGNAL (ANALOG/DIGITAL)



KEY COMPONENTS



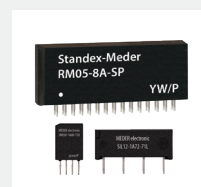
RF REED RELAYS

CRF relays switch RF signals up to 7 GHz and pass fast digital pulses in a 50 ohm impedance environment while offering excellent isolation.



HIGH VOLTAGE SMD RELAYS

KT & MHV Series are surface mount Reed relays switch voltages up to 1 kVDC and measure high isolation up to 7 kVDC.



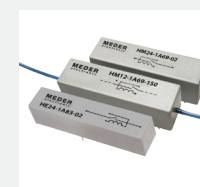
HIGH DENSITY BOARDS

Our single-in-line SIL, MS, UMS, and unique 8-pole RM series were designed specifically for large and closely stacked switching matrices.



HIGH VOLTAGE/HIGH DENSITY

LI, SHV, and BE series offer high breakdown voltage up to 4 kVDC and switching up to 1 kVDC. Suitable for closely stacked matrices.



HIGH VOLTAGE TO 10 KVDC

The H, HE, and HM series can switch up to 10 kVDC and provide up to 20 kVDC isolation. Switching currents up to 3 A and carry currents up to 5 A.

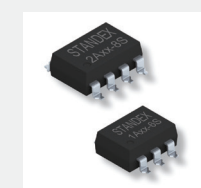


PHOTO-MOSFET RELAYS

Photo-MOSFET's are very small solid-state relays for very fast switching. Nearly unlimited life expectancy across rated loads.



OPTOCOUPERS

Optocouplers are for specific High Isolation and Intrinsically Safe (ATEX & IECEx) applications. Galvanically isolates low-voltage devices from high-voltage circuits.





A Standex **Electronics** Business