

REED SWITCH DATA SHEET

Reed Switch Product Line

Miniature Reed Switches

ORD213
 ORD211
 ORD219

Standard Reed Switches

ORD221
 ORD324
 ORD324H
 ORD624
 ORD9215

High Power Reed Switches

ORD229

ORD2210

ORD2210V

Lamp Load Reed Switches

ORD2211
 ORD2211H

Long Life Reed Switches

ORD228VL
 ORD311
 ORD312

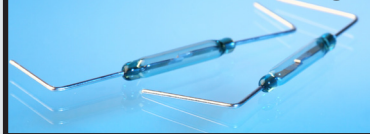
SPDT Transfer Reed

Switches

ORT551
 ORT551-1

Surface Mount
 MK24

Custom Lead Forming



UL File No. E70063

ISO9001 & ISO14001 Certified

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ORD2210

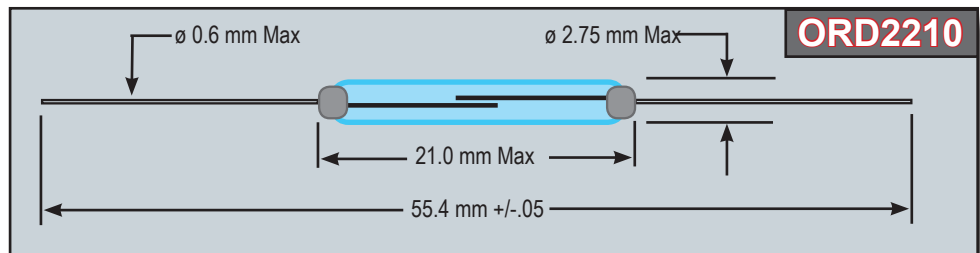


High Power OKI Reed Switch

ORD2210 is a 21mm high current single contact hermetically sealed reed switch for current of 1.0 Amps DC and .7 Amps AC. Pull-in 15-60 AT, Drop-out minimum 7 AT. Rhodium (Rh) contacts engineered for long life. Very

low contact resistance (CR) less than 100mΩ. Can switch or carry as low as 10 nano-Volts (10⁻⁹ Volts) without signal loss. Can switch or carry as low as 1 femt-Amp (10⁻¹⁵ Amps) without signal loss. Electrostatic Capacitance is less than 0.5 pF. Consumes no power in open position. Insulation Resistance is above 1 giga-ohm (10⁹ Ω).

Operation Temperatures: -55°C (-67°F) to +100°C (212°F). Tolerant of harsh environments including salt spray, water, humidity, gaseous & chemical fumes, oil, fuel, and dust-laden atmospheres. Shock resistant above 20Gs.



Parameter	Specification	Unit of Measure
Pull In Value (PI)	15-60	Ampere Turns (AT)
Drop Out Value (DO)	7 minimum	Ampere Turns (AT)
Contact Resistance	100 maximum	Milliohms (mΩ)
Breakdown Voltage	250 minimum	Volts DC (VDC)
Insulation Resistance	10 ¹⁰ minimum	Ohms (Ω)
Electrostatic Capacitance	0.5 maximum	Picofarads (pF)
Contact Rating	50 DC / 70 AC	Watts / Volt Amps
Max Switching Voltage	200 DC / 150 AC	Volts (V)
Max Switching Current	1.0 DC / .7 AC	Amps (A)
Max Carry Current	2.5	Amps (A)
Response Time	0.6 maximum	Milliseconds (ms)
Bounce Time	0.5 maximum	Milliseconds (ms)
Release Time	0.05 maximum	Milliseconds (ms)
Resonant Frequency	2,500 +/-250	Hertz (Hz)
Max Operating Frequency	500	Hertz (Hz)
Minimum Expected Switch Life	10 million switches	50 VDC @ .5mA