

Standex

KOFU

High Quality Reed Switches

REED REX

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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

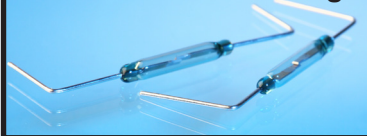
ORT551

ORT551-1

Surface Mount

MK24

Custom Lead Forming



 UL File No. E70063

ISO9001 & ISO14001 Certified

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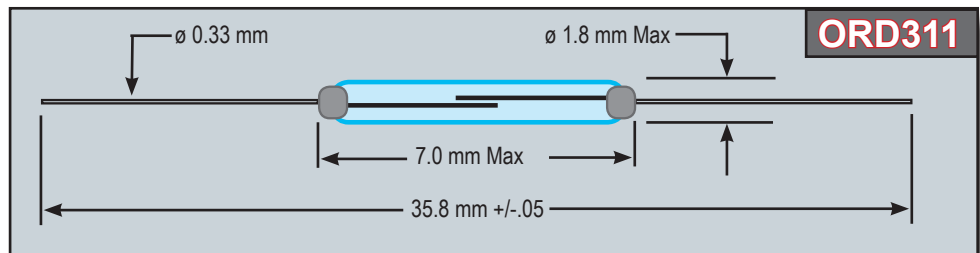
ORD311



Ultra Miniature Long Life OKI Reed

ORD311 is a 7mm super ultra miniature single contact hermetically sealed reed switch for loads less than 100 Volts. Pull-in 10-40 AT, Drop-out minimum 5 AT. Contact rated for 10 Volt Amps with Iridium (Ir) contacts engineered for long life. Low contact resistance (CR) less than 200mΩ. 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 0.4 pF. Consumes no power in open position. Insulation Resistance is above 1 giga-ohm ($10^9 \Omega$).

Operation Temperatures: -55°C (-67°F) to $+100^{\circ}\text{C}$ (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)	10-40	Ampere Turns (AT)
Drop Out Value (DO)	5 minimum	Ampere Turns (AT)
Contact Resistance	200 maximum	Milliohms (mΩ)
Breakdown Voltage	250 minimum	Volts DC (VDC)
Insulation Resistance	10^9 minimum	Ohms (Ω)
Electrostatic Capacitance	0.4 maximum	Picofarads (pF)
Contact Rating	10	Volt-ampere (VA)
Max Switching Voltage	100 DC / 100 AC	Volts (V)
Max Switching Current	0.5	Amps (A)
Max Carry Current	1.0	Amps (A)
Response Time	0.3 maximum	Milliseconds (ms)
Bounce Time	0.3 maximum	Milliseconds (ms)
Release Time	0.05 maximum	Milliseconds (ms)
Resonant Frequency	13,000 +/-2,000	Hertz (Hz)
Max Operating Frequency	500	Hertz (Hz)
Minimum Expected Switch Life	500 million switches	5 VDC @ 10mA

For Additional Specifications, www.reed-rex.com/okireedswitchdatabook