

OKI

High Quality Reed Switches

www.osdc.co.jp/en/

OKI Reed Switch Product Line

Miniature Reed Switches

ORD213

ORD211

ORD219

Standard Reed Switches

ORD221

ORD2221

ORD324

ORD324H

ORD325

High Power Reed Switches

ORD229

ORD2210

ORD2210V

ORD872

Lamp Load Reed Switches

ORD2211

ORD2211H

Long Life Reed Switches

ORD228VL

ORD311

ORD312

SPDT Transfer Reed Switches

ORT551

SMD Reed Switches

ORD213S-1

ORD228S-1

 UL File No. E70063

ISO9001 & ISO14001 Certified



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REED REX

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REED SWITCH DATA SHEET

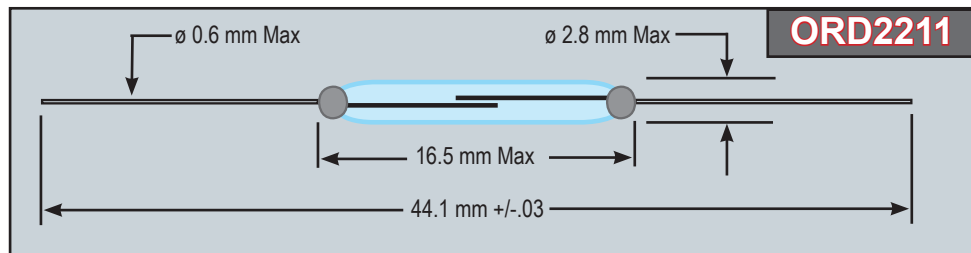
ORD2211



Lamp Load OKI Reed Switch

ORD2211 is a 16.5mm single contact reed switch designed for direct opening or closing 12V, 3.4 watt lamp circuits. Pull-in 20-40 AT, Drop-out minimum 8 AT. Contact rated for 50 Volt-Amps. Made with 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 0.3 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)	20-40	Ampere Turns (AT)
Drop Out Value (DO)	8 minimum	Ampere Turns (AT)
Contact Resistance	100 maximum	Milliohms (mΩ)
Breakdown Voltage	200 minimum	Volts DC (VDC)
Insulation Resistance	10^9 minimum	Ohms (Ω)
Electrostatic Capacitance	0.3 maximum	Picofarads (pF)
Contact Rating	50 (12V 3.4W)	Watts / Volt Amps
Max Switching Voltage	100 DC / 100 AC	Volts (V)
Max Switching Current	0.5	Amps (A)
Max Carry Current	2.5	Amps (A)
Response Time	0.6 maximum	Milliseconds (ms)
Bounce Time	0.4 maximum	Milliseconds (ms)
Release Time	0.05 maximum	Milliseconds (ms)
Resonant Frequency	4,600 +/-400	Hertz (Hz)
Max Operating Frequency	500	Hertz (Hz)
Minimum Expected Switch Life	1 billion switches	6 VDC @ 10mA