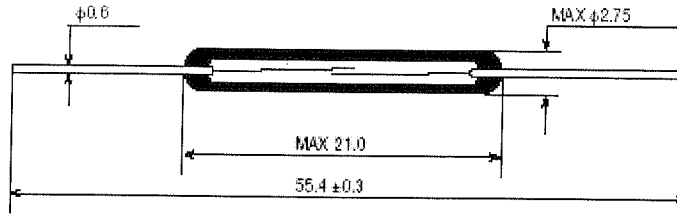


**ORD 2210V**  
**Vacuum Ultra High Breakdown Voltage High Power Reed Switch**

**External Dimensions (Unit:mm)**



**1. SPECIFICATIONS**

1-1. Electrical characteristics

1. Pull-in	20 - 60	AT	
2. Drop-out	7	AT	min
3. Contact resistance	100	m $\Omega$	max
4. Breakdown voltage	1000	VDC	min
5. Insulation resistance	$10^{10}$	$\Omega$	min
6. Electrostatic capacitance	0.5	pF	max
7. Contact rating	100	W, VA	
8. Maximum switching voltage	350 DC	V	
	300 AC	V	
9. Maximum switching current	1.0	A	
10. Maximum carry current	2.5	A	

1-2. Operating characteristics

1. Operate time	0.6	ms	max
2. Bounce time	0.5	ms	max
3. Release time	0.05	ms	max
4. Resonant frequency	$2500^{+250}$	Hz	
5. Maximum operating frequency	500	Hz	

1-2. Environmental characteristics

1. Shock	30	g	(11ms)
2. Vibration	20	g	(10~1000Hz)
3. Temperature range	-40~+125	$^{\circ}\text{C}$	
4. Lead tensile strength	2.27	kg	

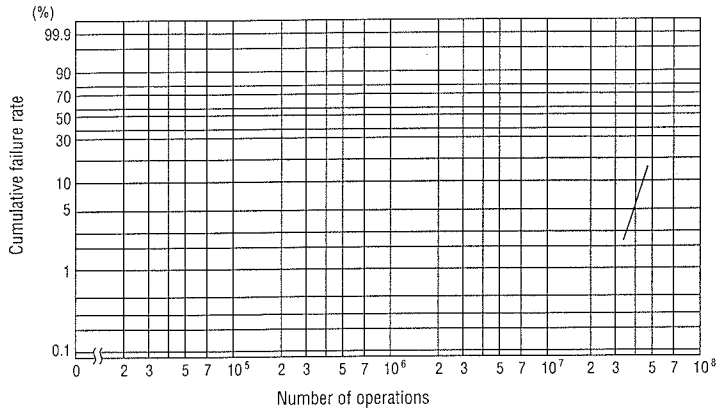
**II. STRUCTURE AND DIMENSIONS**

1. Contact arrangement	Form A		
2. Contact material	Rhodium		
3. Glass diameter	2.75 $\emptyset$	mm	max
4. Glass length	21.0	mm	max
5. Overall length	$55.4^{+0.3}$	mm	

Drw: PJ Date: 12/10/05	Description: <b>DRY REED SWITCHES</b>	Size <b>A4</b>	Drawing Number: <b>PS ORD2210</b>	Revisions	
				A0	05101201
App: PJ Date: 12/08/05	<b>ORD 2210V (2060)</b>	WIF0506-02	File name: PS ORD2210		
		rev.01	Sheet 1 of 2		

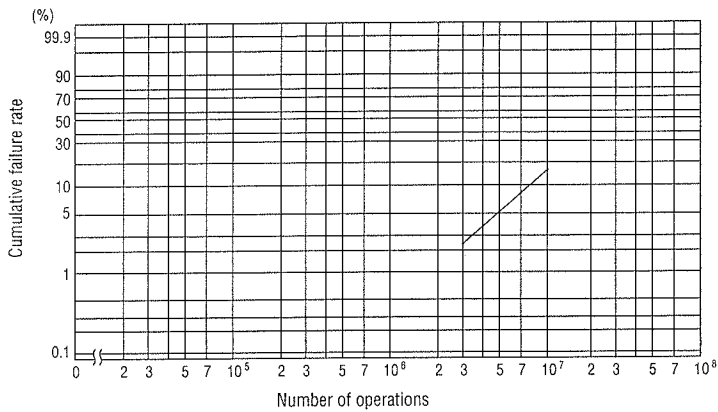
**Load conditions**

Voltage : 500 VDC  
 Current : 1 mA  
 Load : Resistive load



**Load conditions**

Voltage : 1 kVDC  
 Current : 1 mA  
 Load : Resistive load



**Ordering Information**

**PART NUMBER**      **ORD 2210V**      **40 / 45**

Type \_\_\_\_\_

Minimum (AT) Sensitivity \_\_\_\_\_

Maximum (AT) Sensitivity \_\_\_\_\_

Example : Type ORD2210V, Pull-in between 40-45 AT  
 Is PART Nr. ORD2210 (4045)

The life expectancy of a reed switch is dependent upon the load being switched. At maximum rated loads life expectancy is approx. 10<sup>6</sup> operations. Lower load ratings can increase the life upto 5x10<sup>8</sup> operations. Mechanical life or low level loads can be at least 10<sup>8</sup> operations. Switching inductive, capacitive or lamp loads can considerably reduce the life expectancy.

**We can supply custom cut and formed switches.**

Note : When cutting or bending switch leads it is important that the glass seal is not damaged. The cutting or bending point should be no closer than 3 mm (0.118) to the glass to metal seal and the lead should be supported between the cutting or bending point and the glass to metal seal.

Drw: PJ Date: 12/10/05	Description: <b>DRY REED SWITCHES</b>	Size <b>A4</b>	Drawing Number: <b>PS ORD2210</b>	Revisions	
App: PJ Date: 12/08/05		WIF0506-02 rev.01	File name: PS ORD2210 Sheet 2 of 2	A0 05101201	
<b>ORD 2210V (2060)</b>					