

SOWAY

www.soway.cc

SRC FR3S Dyad® Reed Switch

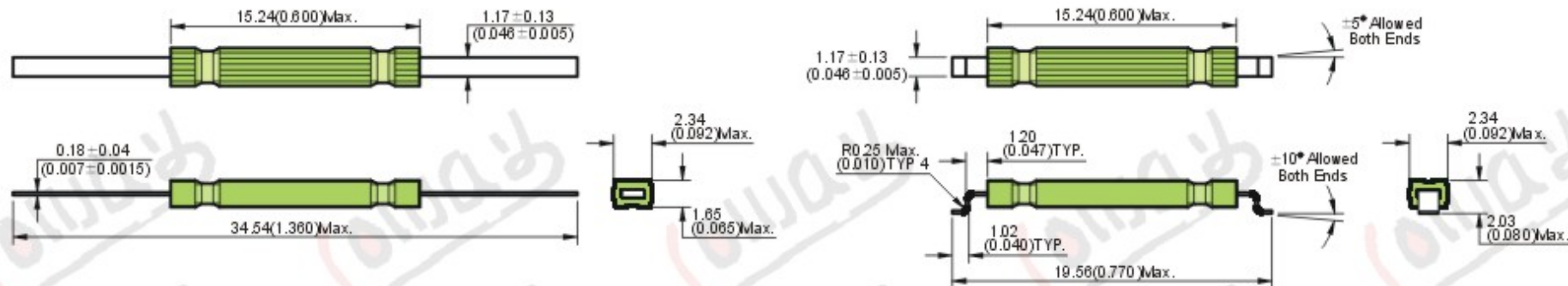
Features

- Large, flat leads for stability and reliable soldering
- Rectangular glass for superior pick and place performance
- Industry-unique laser sealed glass capsule
- UL listed
- Solder plated leads
- Other magnetic sensitivity ranges and lead forms available

Description

SRC Devices FR3S switch is a multipurpose magnetically actuated reed switch sensor ideal for a variety of switching applications, from signal level to higher wattage loads. The FR3S switch has sputtered ruthenium contacts contained within a hermetically sealed capsule. In low level or dry switching applications, the FR3S switch exceeds 10 million operations.

DIMENSIONS mm (in)



SPECIFICATIONS

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Contact Ratings					
Switching Voltage	Max DC/Peak AC Resistive			100	VDC
Switching Current	Max DC/Peak AC Resistive			500	mA
Carry Current	Max DC/Peak AC Resistive			1.5	A
Contact Rating	Max DC/Peak AC Resistive			10	VA
Life Expectance	1V, 10mA Signal Level		1		$\times 10^7$ cycles
	10V, 10mA Low Level		1		$\times 10^6$ cycles
Contact Material	Ruthenium				
Switch Specifications					
Operate ampere turns range *	± 2.0 NI	10		40	NI
Release ampere turns range *	± 2.0 NI	5		40	NI
Contact Resistance	50mV, 10mA		0.100	0.180	Ω
Insulation Resistance	100V, 25°C, 40% RH	10^5	10^8		Ω
Capacitance	Across open contacts			0.3	pF
Dielectric Strength **	Open contacts	100	150		VDC/Peak AC
Operate Time, Including bounce	Using 50% above operate			0.5	msec
	Coil drive, 10Hz Square Wave				
Release Time	24V Zener-diode suppression			0.2	msec
Switching Frequency	Square wave, 50% duty		500		Hz
Environmental Ratings					
Storage Temperature		-40		+125	°C
Operating Temperature		-40		+125	°C
Soldering Temperature				+265	°C
Vibration Resistance	5Hz ~ 2000Hz			20	G
Shock Resistance	11 $\pm$ 1ms, ½ sine wave			100	G
* Full blade sensitivity					

SHENZHEN SOWAY TECH. CO., LTD. Tel: 86-755-88367005 Fax: 86-755-88366005 Email: sales@soway.cc

PDF下载



版权所有：深圳市信为科技发展有限公司
地址：深圳市福田区皇岗路高科利大厦B栋32B
电话：86-755-88367005 传真：86-755-88366005 邮编 518033
粤 ICP 备 05036620 号