REED SWITCH

ORD325

General purpose miniature-type

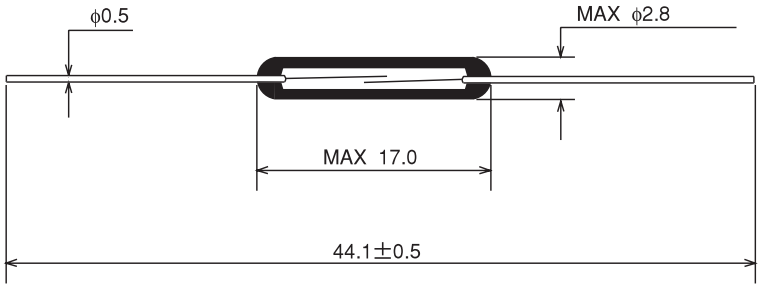
■ GENERAL DESCRIPTION

The ORD325 is a small single-contact reed switch designed for general control of medium-level loads less than 200V. The contacts are sealed within the glass tube with inert gas to maintain contact reliability.

■ FEATURES

(1) Hermetically sealed within a glass tube with inert gas, reed contacts are not influenced by the external atmospheric environment.
(2) Quick response
(3) Comprising of operating parts and electrical parts arranged coaxially, reed switches are suited to high-frequency applications.
(4) Compact and light weight.
(5) Superior corrosion resistance and wear resistance of the contacts assures stable switching operation and long life.
(6) Economically and easily becomes a proximity switch when paired with a magnet.

■ EXTERNAL DIMENSIONS (Unit: mm)



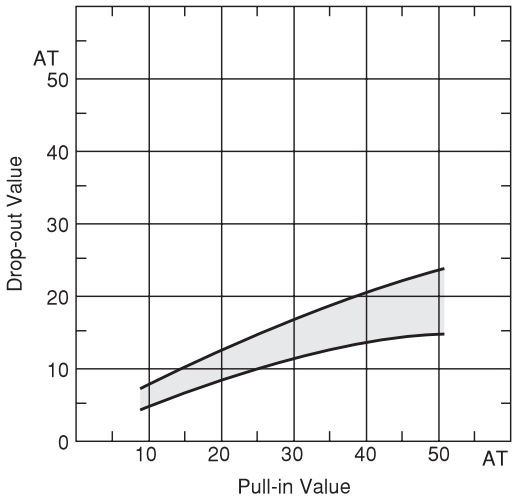
■ APPLICATIONS

- Control equipment
- Communication equipment
- Measurement equipment
- Household appliances

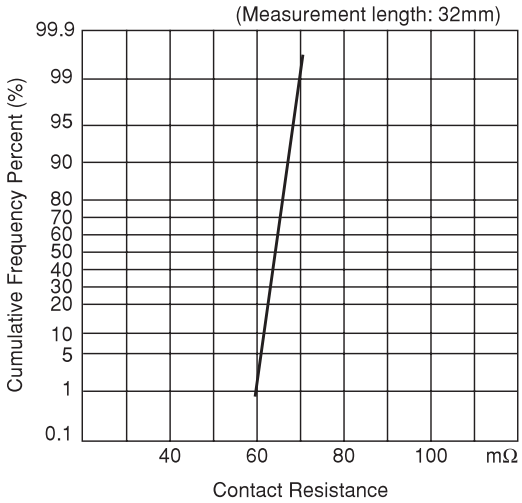
■ ELECTRICAL CHARACTERISTICS

Parameter	Rated Value	Unit
Pull-in Value (PI)	10～50	AT
Drop-out Value (DO)	4min	AT
Contact Resistance (CR)	100max	mΩ
Breakdown Voltage	300min (PI≧15)	VDC
	250min (PI＜15)	VDC
Insulation Resistance	10^{10}min	Ω
Electrostatic Capacitance	0.3max	pF
Contact Rating	10	VA
Maximum Switching Voltage	200DC	V
	150AC	V
Maximum Switching Current	0.5	A
Maximum Carry Current	1.0	A

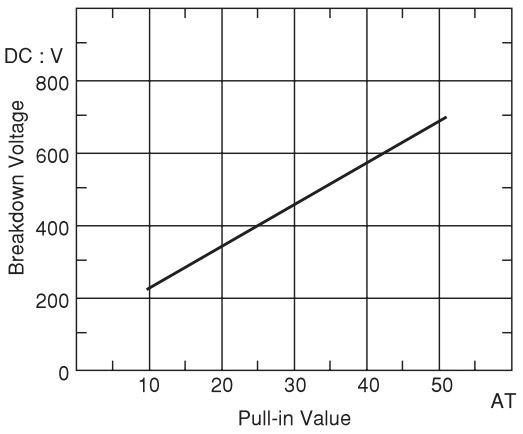
(1) Pull-in Value vs. Drop-out Value



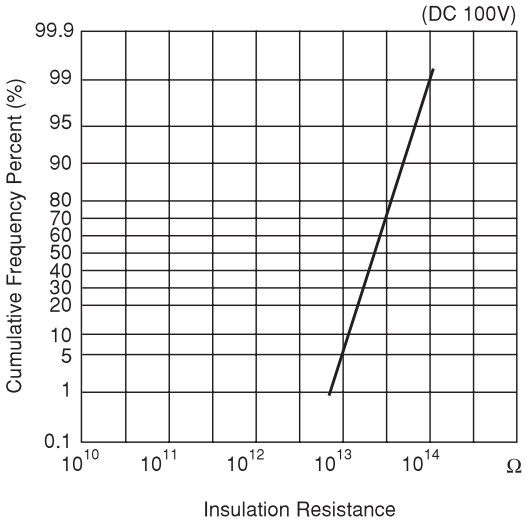
(2) Contact Resistance



(3) Breakdown Voltage



(4) Insulation Resistance



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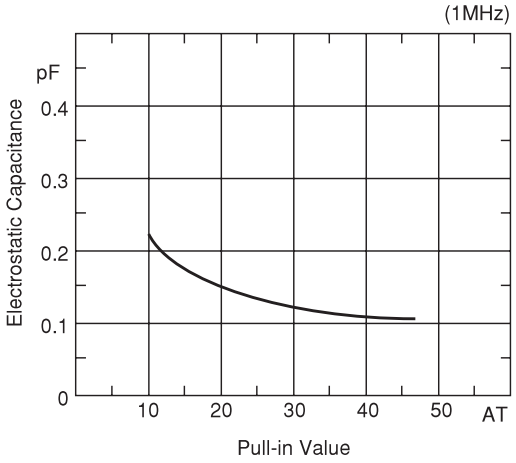
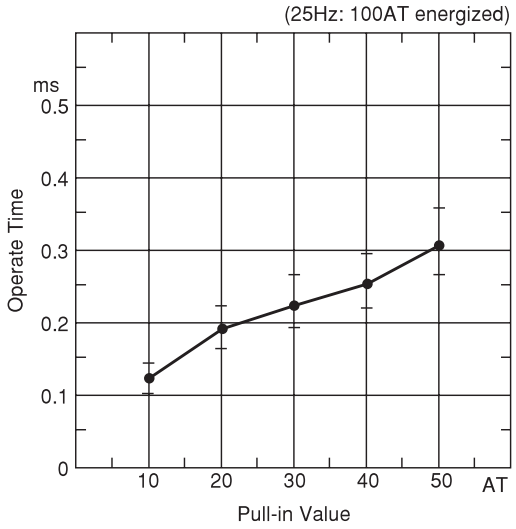
(5) Electrostatic Capacitance



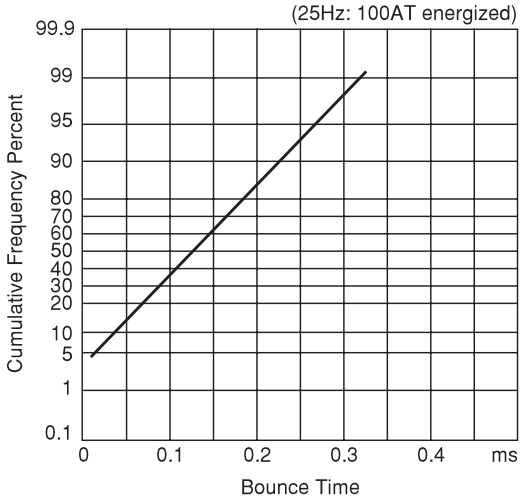
■ OPERATING CHARACTERISTICS

Parameter	Rated Value	Unit
Operate Time	0.4max	ms
Bounce Time	0.4max	ms
Release Time	0.05max	ms
Resonant Frequency	3700±300	Hz
Maximum Operating Frequency	500	Hz

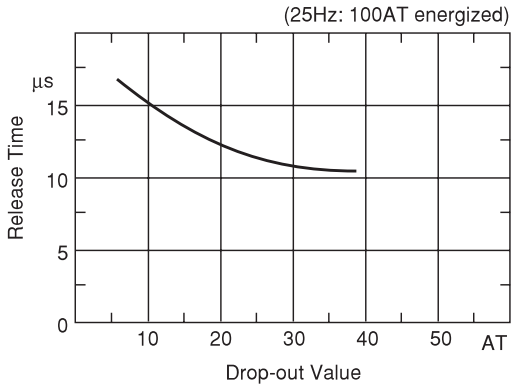
(1) Operate Time



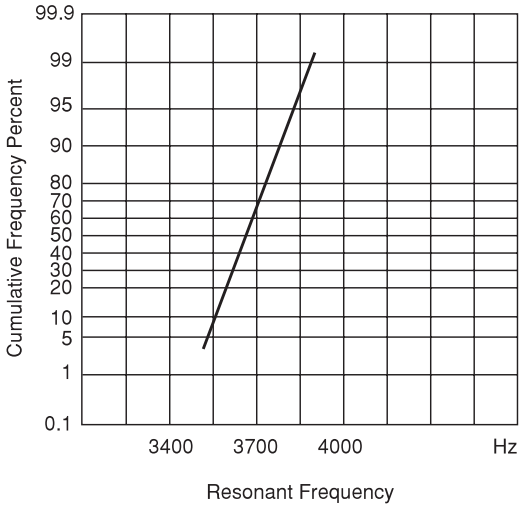
(2) Bounce Time



(3) Release Time

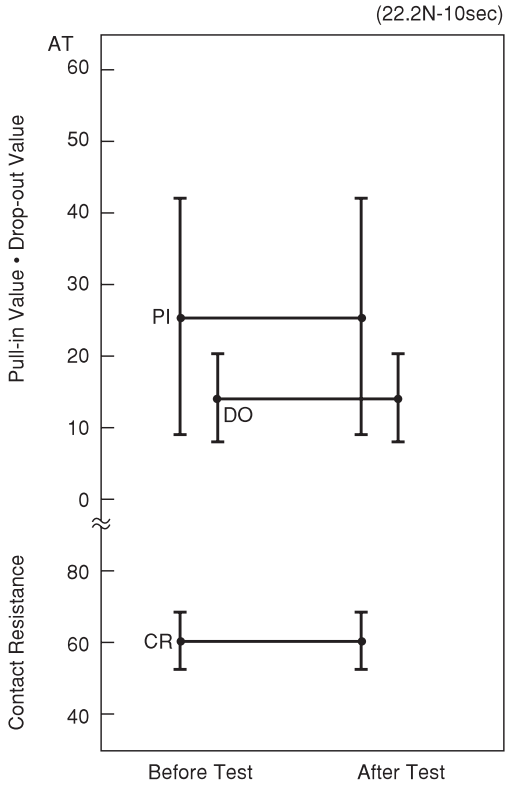


(4) Resonant Frequency

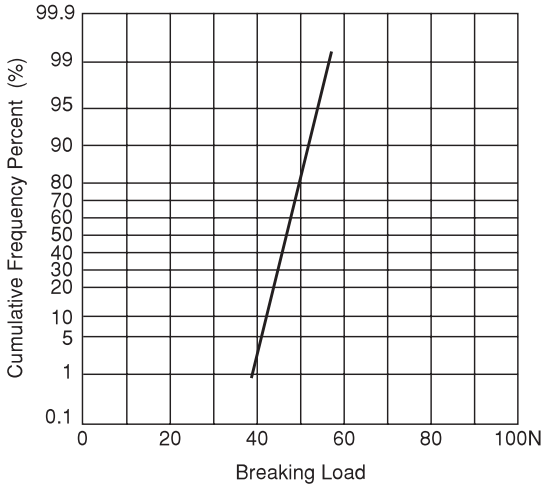


■ MECHANICAL CHARACTERISTICS

(1) Lead Tensile Test (Static Load)

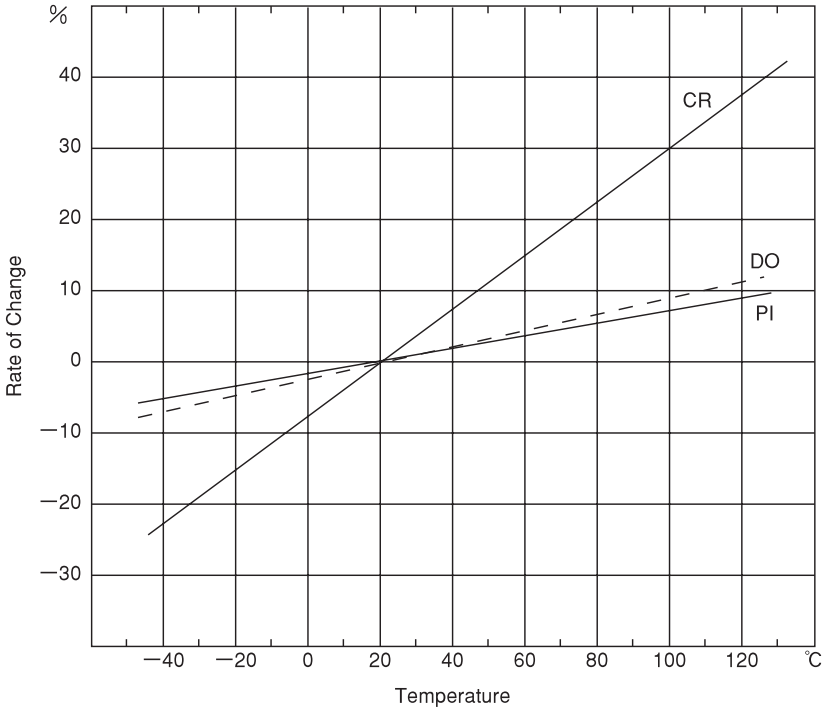


(2) Lead Tensile Strength



■ ENVIRONMENTAL CHARACTERISTICS

(1) Temperature Characteristics



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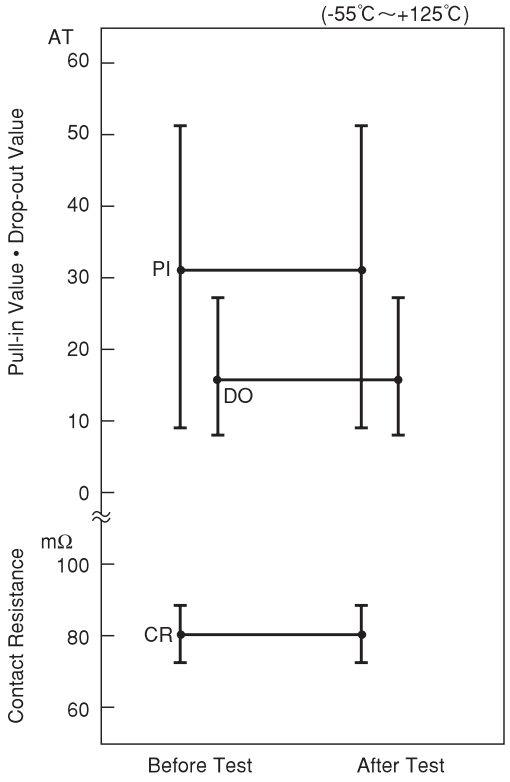
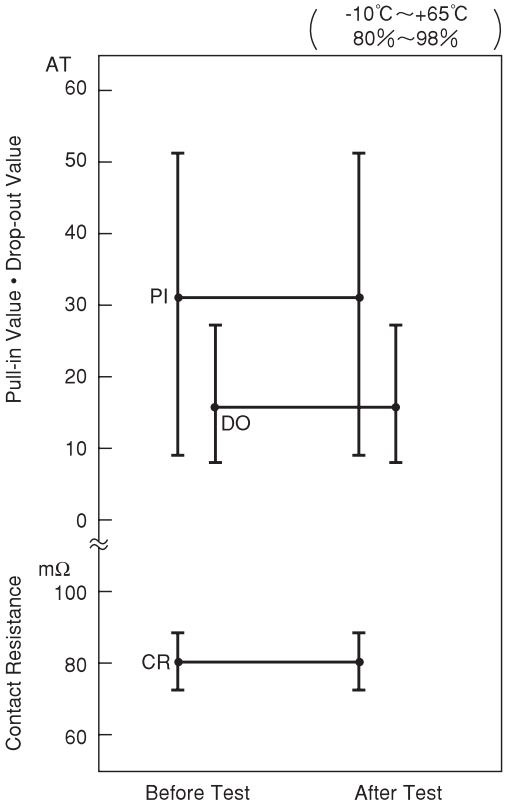
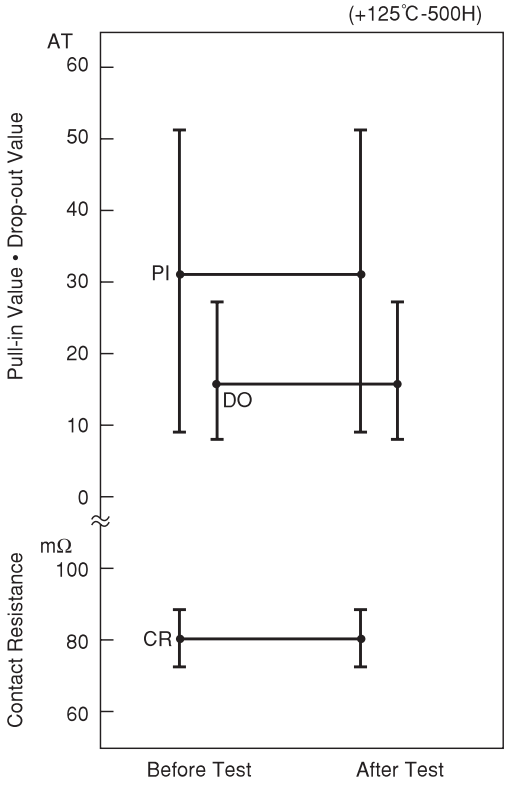
(2) Temperature Cycle



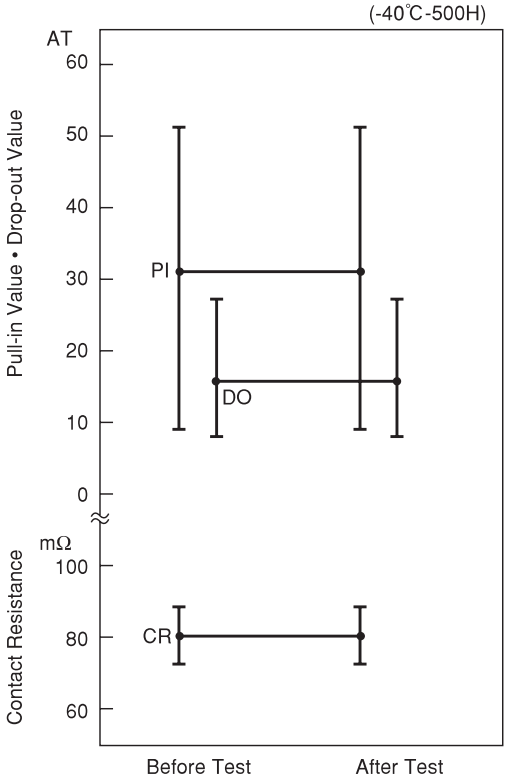
(3) Temperature and Humidity Cycle



(4) High Temperature Storage Test

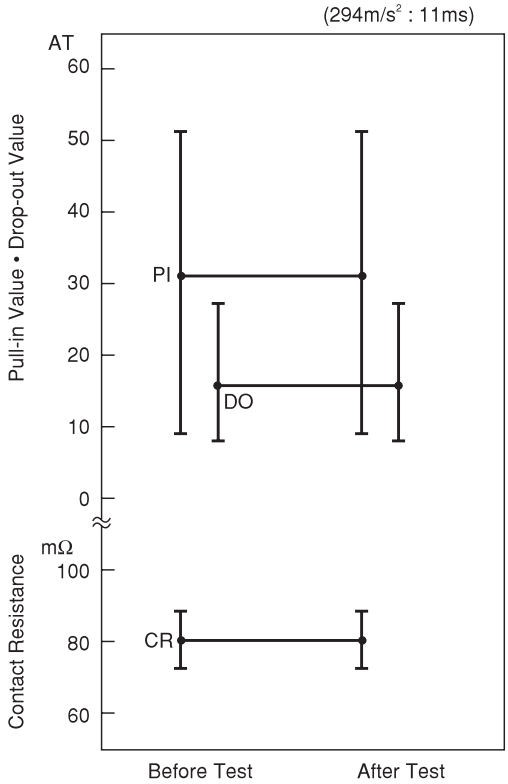


(5) Low Temperature Storage Test

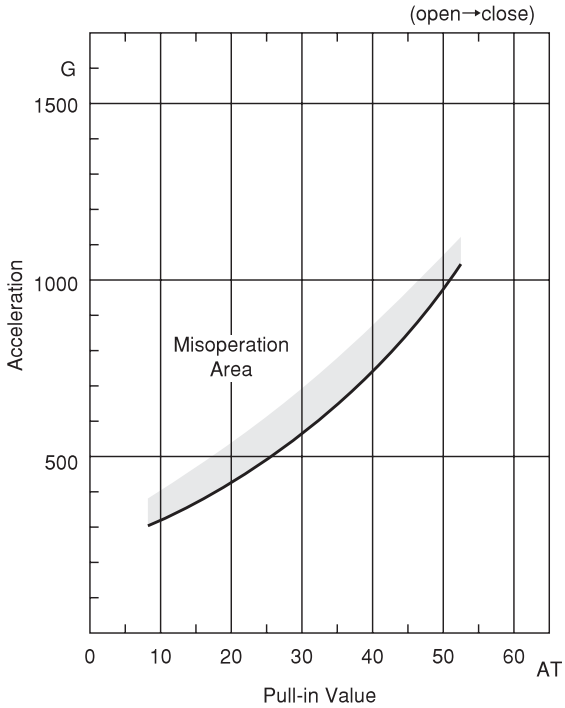


(6) Shock Test

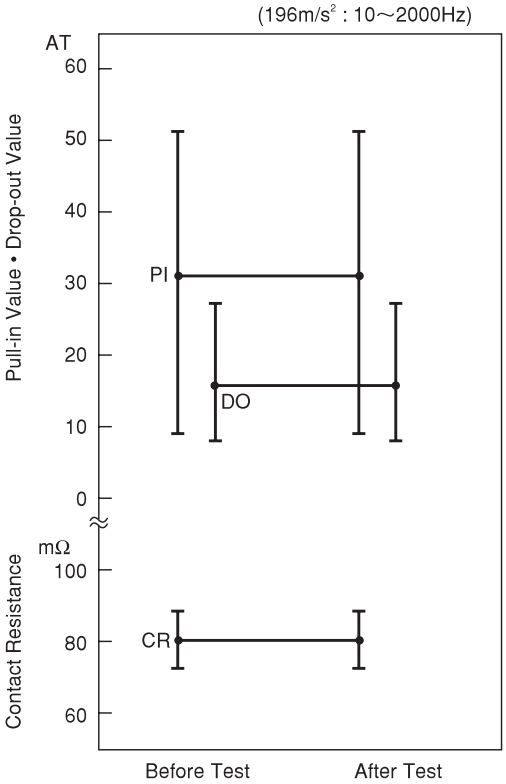
1) Electrical Characteristics



2) Misoperation Area



(7) Vibration Test



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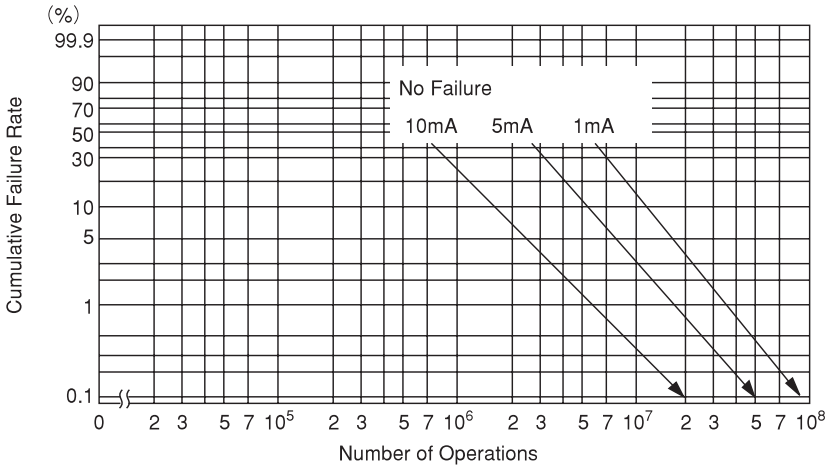
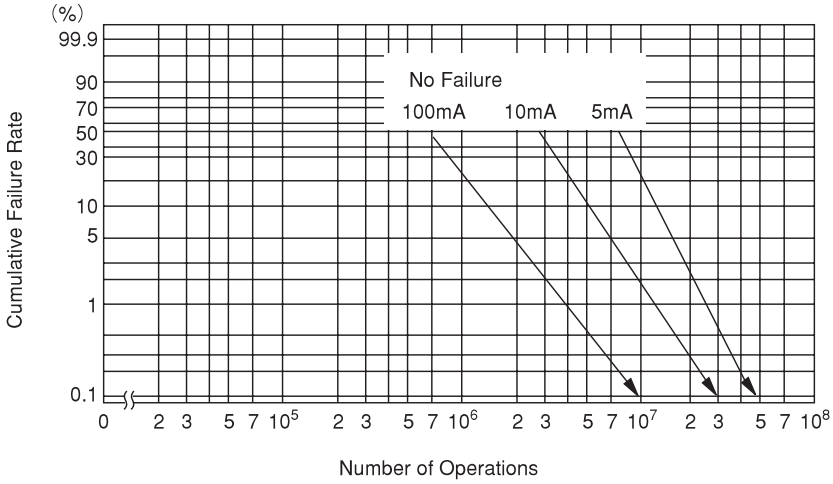
■ LIFE EXPECTANCY DATA: ORD325

Load Conditions
Voltage: 5VDC
Current: 1mA, 5mA, 10mA
Load: Resistive Load



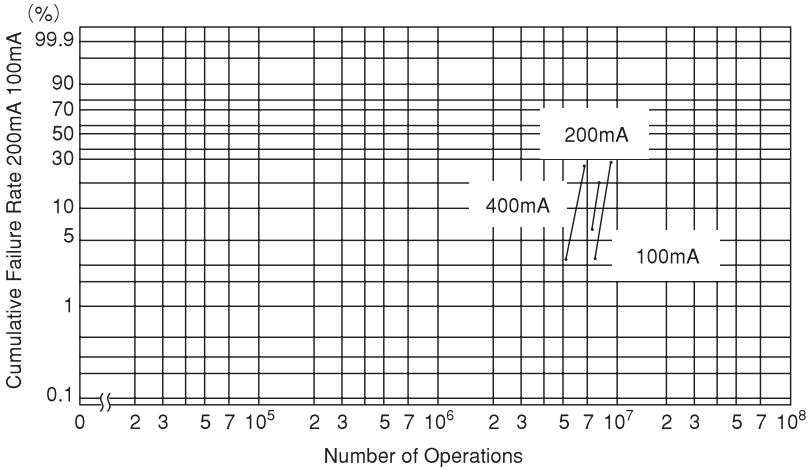
* Arrow indicates number of operations where test was completed.

Load Conditions
Voltage: 12 VDC
Current: 5mA, 12mA, 100mA
Load: Resistive Load



* Arrow indicates number of operations where test was completed.

Load Conditions
Voltage: 24 VDC
Current: 100mA, 200mA, 400mA
Load: Resistive Load



ООО «ЛайфЭлектроникс» “LifeElectronics” LLC

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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Email: org@lifeelectronics.ru

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