

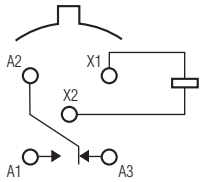
# 1MS • 1MSD • 1MSDD • 1MST

TO-5 HIGH-PERFORMANCE RELAYS

## 1MS

**SENSITIVE TO-5  
HIGH-PERFORMANCE RELAY**

**QUALIFIED TO  
MIL-R-39016/10**



TERMINAL VIEW

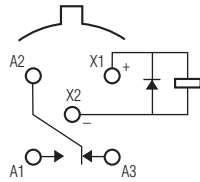
**FEATURES**

- Hermetically sealed
- High shock & vibration ratings
- Spreader pad
- Excellent RF switching

## 1MSD

**SENSITIVE TO-5  
DIODE SUPPRESSED  
HIGH-PERFORMANCE RELAY**

**QUALIFIED TO  
MIL-R-39016/25**



TERMINAL VIEW

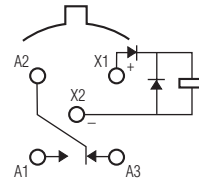
**FEATURES**

- Suppression diode
- Hermetically sealed
- High shock & vibration ratings
- Spreader pad
- Excellent RF switching

## 1MSDD

**SENSITIVE TO-5 DIODE  
SUPPRESSED/PROTECTED  
HIGH-PERFORMANCE RELAY**

**QUALIFIED TO  
MIL-R-39016/26**



TERMINAL VIEW

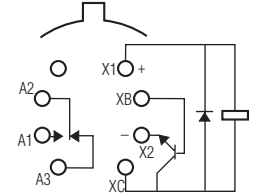
**FEATURES**

- Suppression & protection diodes
- Hermetically sealed
- High shock & vibration ratings
- Spreader pad
- Excellent RF switching

## 1MST

**SENSITIVE TO-5 DIODE  
SUPPRESSED/TRANSISTOR DRIVEN  
HIGH-PERFORMANCE  
RELAY**

**QUALIFIED TO  
MIL-R-28776/4**



TERMINAL VIEW

**FEATURES**

- Transistor driver & suppression diode
- Hermetically sealed
- High shock & vibration ratings
- Spreader pad
- Excellent RF switching

**ELECTRICAL CHARACTERISTICS**

**CONTACT ARRANGEMENT**  
1 Form C (SPDT)

**CONTACT MATERIAL**  
Stationary:  
Gold/platinum/palladium/silver alloy (gold plated)

Moveable:  
Gold/platinum/palladium/silver alloy (gold plated)

**CONTACT RESISTANCE**  
Before Life: 100 milliohms max. (measured @ 10 mA @ 6 Vdc)  
After Life: 200 milliohms max. (measured @ 1 A @ 28 Vdc)

**MECHANICAL LIFE EXPECTANCY**  
1 million operations

**COIL VOLTAGE**  
5 to 40 Vdc

**COIL POWER**  
506 mW max. @ 25°C

**DUTY CYCLE**  
Continuous

**PICK-UP VOLTAGE**  
Approximately 50% of nominal coil voltage

**PICK-UP SENSITIVITY**  
40 mW max. @ 25°C



**CONTACT RATINGS**

CONTACT LOAD	TYPE	OPERATIONS MIN.
1.0 A @ 28 Vdc	Resistive	100,000
250 mA @ 115 Vac, 60 Hz & 400 Hz	Resistive (case not grounded)	100,000
100 mA @ 115 Vac, 60 Hz & 400 Hz	Resistive	100,000
0.2 A @ 28 Vdc	Inductive (0.32 Henry)	100,000
0.1 A @ 28 Vdc	Lamp	100,000
30 mA @ 50 mVdc	Low Level	1,000,000
0.1 A @ 28 Vdc	Intermediate Current	50,000

