

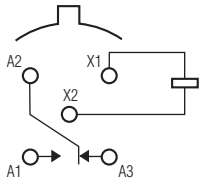
1MS • 1MSD • 1MSDD • 1MST

TO-5 HIGH-PERFORMANCE RELAYS

1MS

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

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



TERMINAL VIEW

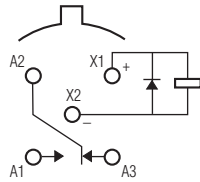
FEATURES

- 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

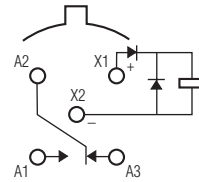
FEATURES

- 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

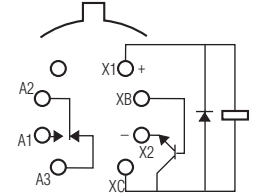
FEATURES

- 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

