

# COTO Reed Relays



## SPARTAN SIP RELAY

- Features:**
- High Insulation Resistance:  $10^{10}\Omega$
  - High Speed Switching
  - UL File # E67117, CSA File # LR 28537
  - Coaxial Shield for 50Ω Impedance and Switching

- Specifications:**
- Storage Temp:  $-35^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Operating Temp:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
  - Solder Temp:  $270^{\circ}\text{C}$  max; 10 sec max
  - Vibration: 20G's to 2000Hz; Shock: 50Gs



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9007-05-00	9007-05-00	A	SPST	5	0.5	1	.98	.94	.89	.82
816-9007-12-00	9007-12-00	A	SPST	12	0.5	1	1.02	.96	.89	.82

## SURFACE MOUNT REED RELAY

- Features:**
- 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
  - External Magnetic Shield

- Specifications:**
- Storage Temp:  $-35^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Operating Temp:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
  - Vibration: 20G's to 2000Hz; Shock: 50Gs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9201-05-00	9201-05-00	B	SPST	5	0.5	1.5	5.26	5.02	4.55	4.14
816-9202-05-00	9202-05-00	C	SPST	5	0.5	1.5	4.93	4.71	4.26	3.88
816-9202-05-20	9202-05-20	D	SPST	5	0.5	1.5	5.98	5.72	5.17	4.70
816-9290-05-00	9290-05-00	E	SPST	5	0.5	1.5	6.76	5.72	4.78	3.84
816-9402-05-20	9402-05-20	F	SPST	5	0.5	1	6.05	5.55	5.37	4.90

## MAGNETICALLY SHIELDED SURFACE MOUNT REED RELAY

- Features:**
- High Insulation Resistance:  $10^{12}\Omega$
  - High Speed Switching
  - Small Surface Mount Package (0.225" x 0.550")
  - 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching

- Specifications:**
- Storage Temp:  $-35^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Operating Temp:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
  - Vibration: 20G's to 2000Hz; Shock: 50Gs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9814-03-00	9814-03-00	H	SPST	3.3	0.25	0.5	6.43	6.14	5.55	5.06
816-9814-03-20	9814-03-20	H	SPST	3.3	0.25	0.5	7.09	6.77	6.12	5.57
816-9814-05-00	9814-05-00	G	SPST	5	0.25	0.5	7.09	6.77	6.12	5.57

## SURFACE MOUNT FORM C REED RELAY

- Features:**
- High Insulation Resistance:  $10^{12}\Omega$
  - High Speed Switching
  - Small Surface Mount Package (0.225" x 0.550")
  - 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
  - External Magnetic Shield

- Specifications:**
- Storage Temp:  $-35^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Operating Temp:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
  - Vibration: 20G's to 2000Hz; Shock: 50Gs



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9852-05-00	9852-05-00	G	SPDT	5	0.1	0.2	32.41	30.94	27.99	25.49

## 9092 SERIES: MINIATURE SIP RELAYS

- Features:**
- 10W SIP relay measuring .600" x .150" x .350"
  - High speed switching
  - Molded thermoset body on integral lead frame design
  - High insulation resistance
  - Magnetic Shield Option
  - Diode Option

- Specifications:**
- Storage Temperature:  $-35^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Operate Temperature:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
  - Solder Temperature:  $270^{\circ}\text{C}$  max 10 sec. max
  - Vibration: 20G's to 2000Hz Shock: 50G's
  - Switching Current (A): 0.5
  - Carry Current (A): 1.2



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9092-05-10	9092-05-10	I	5	375	3.75	0.4	7.03	6.66	6.24	5.99
816-9092-05-11	9092-05-11	I	5	375	3.75	0.4	7.13	6.75	6.33	6.08
816-9092-12-10	9092-12-10	I	12	750	9.0	1.0	8.58	8.08	7.62	7.31
816-9092-12-11	9092-12-11	I	12	750	9.0	1.0	8.69	8.18	7.72	7.40

## 9104 SERIES: HIGH VOLTAGE SIP REED RELAYS

- Features:**
- High voltage switching up to 1000V
  - High speed switching
  - Molded thermoset body on integral lead frame design
  - High insulation resistance
  - High dielectric strength 2000VDC
  - Diode Option

- Specifications:**
- Storage Temp:  $-35^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Operate Temp:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
  - Solder Temp:  $270^{\circ}\text{C}$  max 10 sec. max
  - Vibration: 20G's to 2000Hz Shock: 50G's
  - Switching Current (A): .5
  - Carry Current (A): 1.3



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9104-05-10	9104-05-10	J	5	175	3.75	0.5	8.55	8.09	7.58	7.28
816-9104-05-11	9104-05-11	J	5	175	3.75	0.5	7.13	6.75	6.33	6.08
816-9104-12-10	9104-12-10	J	12	500	9.0	1.0	7.06	6.65	6.27	6.02
816-9104-12-11	9104-12-11	J	12	500	9.0	1.0	7.15	6.73	6.35	6.09

## 9117 SERIES: MINIATURE SIP RELAY

- Features:**
- 9117 is the smallest 3W SIP relay (.270" x .150" x .385")
  - High speed switching
  - High insulation resistance
  - High reliability, hermetically sealed contacts
  - Molded thermoset body on integral lead frame design
  - Diode Option

- Specifications:**
- Storage Temperature:  $-35^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
  - Operate Temperature:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
  - Solder Temperature:  $270^{\circ}\text{C}$  max 10 sec. max
  - Vibration: 20G's to 2000Hz Shock: 50G's
  - Switching Current (A): .25
  - Carry Current (A): .5



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9117-05-10	9117-05-10	K	5	400	3.75	0.5	7.23	6.85	6.42	6.16

**DIMENSIONS: in. (mm)**

**A** Dimensions: .200 (5.08) w/Shell, .220 (5.6), .780 (19.8) w/Shell, .300 (7.6) w/Shell, .320 (8.1) w/Shell, .020 (0.5), .010 (.254), .020 (0.51), .125 (3.18), .240 (6.10), .150 (3.81), .020 (0.51), .200 (5.08). Pinout: 1, 2, 3, 4.

**B** Dimensions: .240 (6.10), .010 (0.25), .150 (3.81), .020 (0.51), .900 (22.86). Pinout: 2, 4, 1, 3.

**C** Dimensions: .240 (6.10), .010 (0.25), .75 (1.91), .020 (0.51), .900 (22.86). Pinout: 2, 4, 6, 1, 3, 5.

**D** Dimensions: .190 (4.83), .010 (0.25), .020 (0.51), .75 (1.91), .900 (22.86). Pinout: 2, 6, 4, 1, 5, 3.

**E** Dimensions: .176 (4.4), .670 (17.01) w/ Cover, .050 (1.27), .020 (0.51), .800±.012 (20.32±.304). Pinout: 2, 6, 4, 1, 3, 5.

**F** Dimensions: .225 (5.71), .225 (5.74), .1025 (0.64), .500 (12.70), .150 (3.80), .020 (0.51). Pinout: 2468, 1357.

**G** Dimensions: .400 (10.16), .195 (4.95), .170 (4.31), .010 (0.25), .040 (1.02), .015 (0.38), .510 (12.9), .460 (11.68). Pinout: 2468, 1357.

**H** Dimensions: .375 (9.52), .195 (4.95), .190 (4.82), .010 (0.25), .040 (1.02), .015 (0.38), .440 (11.18), .190 (4.82). Pinout: 2468, 1357.

**I** Dimensions: .600 Max (6.85), .150 Max (3.81), .350 Max (8.89), .125 ± .005 (3.18 ± .831). Pinout: 1, 2, 3, 4, 5, 6.

**J** Dimensions: .950 Max (24.13), .245 Max (6.22), .320 Max (8.13), .125 ± .005 (3.17 ± .13). Pinout: 1, 3, 5, 7.

**K** Dimensions: .270 Max (6.85), .150 Max (3.81), .385 Max (9.77). Pinout: 1, 2, 3, 4.

Coto Technology

Reed Relays

