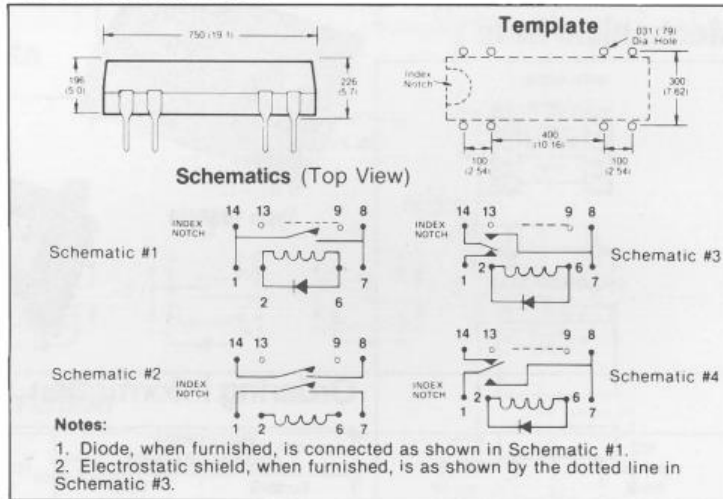


## Type 191TE

### Mechanical Data



- Dual-in-line package.
- Standard .1" printed circuit grid spacing.
- 10 watt rating on single pole Form A and Form C.
- TTL compatible for SPST.
- Optional pin-outs on Form C.

## Specifications

### Contact Data

- Ratings (resistive load):  
Single Pole—0.5 amp, max.  
100 VDC, max., 10 W, max.  
Double Pole—0.25 amp, max.  
50 VDC, max., 3 W, max.
- Material: rhodium over gold.
- Initial resistance (max.): 200 milliohms.
- Expected electrical life (resistive load at 20VDC):  
Single Pole: 0.5 amp—  
10 million operations;  
Double Pole: 0.15 amp—  
5 million operations
- Operate time:  
0.5 msec, max.
- Release time:  
0.5 msec, max.
- Bounce time (max.):  
0.5 msec at "operate" on N.O. side;  
1.0 msec at "release" on N.C. side.
- Capacitance (across contacts): 0.3 pf, typical.

### Coil Data

- Resistance: see table in Ordering Information.
- Pick-up voltage, max.: 80% of nominal coil voltage.

### General Characteristics

- Enclosure: molded epoxy.
- Terminals: copper/nickel, tin plated.
- Initial dielectric strength:  
Between all insulated points:  
500 VAC.  
Across contacts: 200 VAC.
- Initial insulation resistance:  
1,000 megohms, min.
- Operating temperature: -40° C to +85° C.
- Soldering temperature: 265° C, max.
- Soldering time: 5 seconds, max.
- Weight: 0.05 oz. (1.4 g)

## Ordering Information

PART NO. (including coil voltage)	CONTACTS		OPTIONS*	COIL RESISTANCE (Ohms)
	Arrangement	Schematic Diagram		

SPST				
191TE1A1-5S	1A	1	N	500
191TE1A1-5G	1A	1	N	200
191TE1A1-12G	1A	1	N	1,250
191TE1A1-12L	1A	1	N	500
191TE1A1-24W	1A	1	N	1,250
191TE1A2-5S	1A	1	D	500
191TE1A2-12G	1A	1	D	1,250
191TE1A2-24W	1A	1	D	1,250
191TE1A5-5S	1A	1	ES	500
191TE1A5-12G	1A	1	ES	1,250
191TE1A5-24W	1A	1	ES	1,250
191TE1A6-5S	1A	1	D & ES	500
191TE1A6-12G	1A	1	D & ES	1,250
191TE1A6-24W	1A	1	D & ES	1,250

SPDT				
191TE1C1-5S	1C	3	N	200
191TE1C1-5G	1C	3	N	150
191TE1C1-12G	1C	3	N	500
191TE1C1-24L	1C	3	N	1,250

PART NO. (including coil voltage)	CONTACTS		OPTIONS*	COIL RESISTANCE (Ohms)
	Arrangement	Schematic Diagram		

SPDT				
191TE1C1M-5S	1C	4	N	200
191TE1C1M-5G	1C	4	N	150
191TE1C1M-12G	1C	4	N	500
191TE1C1M-24L	1C	4	N	1,250
191TE1C2-5S	1C	3	D	200
191TE1C2-12G	1C	3	D	500
191TE1C2-24L	1C	3	D	1,250
191TE1C2M-5S	1C	4	D	200
191TE1C2M-12G	1C	4	D	500
191TE1C2M-24L	1C	4	D	1,250
191TE1C5-5S	1C	3	ES	200
191TE1C5-12G	1C	3	ES	500
191TE1C5-24L	1C	3	ES	1,250
191TE1C5M-5S	1C	4	ES	200
191TE1C5M-12G	1C	4	ES	500
191TE1C5M-24L	1C	4	ES	1,250
191TE1C6-5S	1C	3	D & ES	200
191TE1C6-12G	1C	3	D & ES	500
191TE1C6-24L	1C	3	D & ES	1,250
191TE1C6M-5S	1C	4	D & ES	200
191TE1C6M-12G	1C	4	D & ES	500
191TE1C6M-24L	1C	4	D & ES	1,250

DPST				
191TE2A1-5G	2A	2	N	200
191TE2A1-12G	2A	2	N	500
191TE2A1-24L	2A	2	N	1,200

\*N=None D=Diode ES=Electrostatic Shielding