



The **TEL/TELE Series** features SMA connectors and a frequency range of DC to 18 GHz.

The **TEL/TELE Series** also features SMA connectors and a frequency range of DC to 26.5 GHz.

**TEL/TELE Series** are available with failsafe, latching self cut-off, or pulse latching functions. **TEL/TELE Series** are available with failsafe function.

<b>Weight (max.):</b>	6 oz
<b>RF Impedance:</b>	50 ohms nominal
<b>Operating Temperature:</b>	-25°C to +65°C ambient
<b>Operating Life:</b>	5,000,000 cycles min.
<b>Switching Sequence:</b>	Break Before Make

**SPECIFICATIONS**

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-4 GHz	1.20	0.20	80
4-8 GHz	1.30	0.30	75
8-12 GHz	1.40	0.40	70
12-18 GHz	1.50	0.50	60
18-26.5 GHz	1.50	0.50	60

Actuator Current (typical)	12Vdc	15 Vdc	24 Vdc	28Vdc
Failsafe	375mA	300mA	180mA	170mA
Latching	335mA	270mA	180mA	165mA
Pulse Latching	470mA	375mA	250mA	225mA

\* If reduced coil current is required, please contact Factory.

Position	NO	NC	Latching
Switching Time - mSec (Max)	15	35	20

**AVAILABLE OPTIONS**

OPTION 3 VOLTAGE	OPTION 4 ACTUATOR		OPTION 5 POLARITY
1 - 12 Vdc 2 - 28 Vdc 3 - 15 Vdc 5 - Other 6 - 24 Vdc 7 - 5 Vdc	<b>Failsafe</b> <b>A - Standard</b> <b>C - Indicators</b> <b>B - Diodes</b> <b>D - Diodes, Indicators</b>  <u>Low Input Drivers with:</u> <u>High Input Drivers with:</u> <b>E - Diodes</b> <b>EH - Diodes</b> <b>F - Diodes, Indicators</b> <b>FH - Diodes, Indicators</b>		<b>Pulse Latching</b> <b>T - Standard</b> <b>U - Diodes</b> <b>V - Indicators</b> <b>W - Diodes, Indicators</b>
	<b>Latching Self Cut-Off</b> <b>G - Diodes</b> <b>H - Diodes, Indicators</b>  <u>Low Input Drivers with:</u> <u>High Input Drivers with:</u> <b>J - Diodes</b> <b>JH - Diodes</b> <b>K - Diodes, Indicators</b> <b>KH - Diodes, Indicators</b>		<b>OPTION 6 TERMINALS</b> 1 - Solder Terminals 3 - Other (Specify) 4 - Sub Miniature D-Shell Connector

**ADDITIONAL OPTIONS**

OPTION 7 STANDARD OPTIONS
1 - Moisture Seal 2 - High Temperature (125° C) 3 - Moisture Seal & High Temperature (125° C)
OPTION 8 BRACKETS
D - See Page 146 E - See Page 146 F - See Page 146
OPTION 9 BODIES
T - See Page 148 TA/TAE Series Only

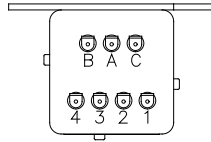
Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.

For "Additional Options" please contact Factory for part number

**TEL/TELE**

- Option 2  
Series
- Option 3  
Voltage
- Option 4  
Actuator
- Option 5  
Polarity
- Option 6  
Terminals

**TOP VIEW**



Actual markings will reflect terminal functions, not letter or number designation as shown above.

**DC TERMINAL FUNCTIONS**

PIN	FAILSAFE			LATCHING		
	A, C	B, D	E, EH, F, FH	G, H	J, JH, K, KH	T, U, V, W
1	N/A	N/A	N/A	C+/-	C RTN	C+/-
2	AV	AV+	C RTN	N/A	+ V SW	N/A
3	AV	AV-	+V SW	AV 2-/+	L 2	PV 2-/+
4	N/A	N/A	L	AV 1-/+	L 1	PV 1-/+

**SCHEMATICS**

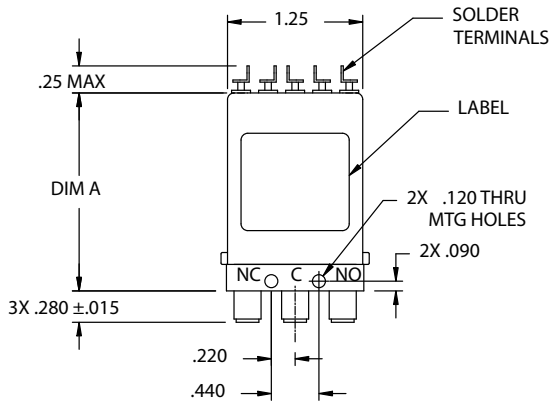
Pages 132-137						
	S17	S18	S19	S20	S21	S22, S23

**INDICATORS**

PIN	A	B	C
	COM	1 or N/C	2 or N/O

See Page 158 for Legend of Terms and tolerances  
See Page 138 for Logic & BCD Truth Table

**FRONT VIEW**



AVAILABLE OPTIONS*	OUTLINE DRAWING	
	DIMENSION "A"	
A, B, C, D	1.75	
E, EH, F, FH	2.25	
J, JH, K, KH	2.00	
G, H, V, W	1.75	
T, U	1.50	

\* Consult factory for Dimension "A" when multi pin connector is desired.

**RF STATUS**

RF	FAILSAFE	LATCHING
1-3, 2-4	DE-ENERGIZED	POSITION 1
1-2, 3-4	ENERGIZED	POSITION 2

**BOTTOM VIEW**

