



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

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

TA/TDE series are available with fail-safe, latching self cut-off, or pulse latching functions. **TD/TDE series** are available with fail-safe function.

Weight (max.):	6 oz
RF Impedance:	50 ohms nominal
Operating Temperature:	-25°C to +65°C ambient
Operating Life:	5,000,000 cycles min.
Switching Sequence:	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
Fail-safe	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	Failsafe		1 - Negative
2 - 28 Vdc	A - Standard	C - Indicators	2 - Positive
3 - 15 Vdc	B - Diodes	D - Diodes, Indicators	3 - Not Applicable
5 - Other	Pulse Latching		
6 - 24 Vdc	<u>Low Input Drivers with:</u>		
7 - 5 Vdc	E - Diodes	EH - Diodes	
	F - Diodes, Indicators	FH - Diodes, Indicators	
	<u>High Input Drivers with:</u>		
	Latching Self Cut-Off		
	G - Diodes	H - Diodes, Indicators	
	<u>Low Input Drivers with:</u>		
	J - Diodes	JH - Diodes	
	K - Diodes, Indicators	KH - Diodes, Indicators	
	<u>High Input Drivers with:</u>		
	OPTION 6 TERMINALS		
	1 - Solder Terminals		
	3 - Other (Specify)		
	4 - Sub Miniature		
	D-Shell Connector		

ADDITIONAL OPTIONS

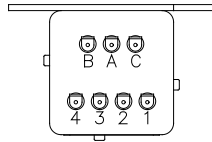
OPTION 7 STANDARD OPTIONS
1 - Moisture Seal
2 - High Temperature (125° C)
3 - Moisture Seal & High Temperature (125° C)
OPTION 8 BRACKETS
D - See Page 146
E - See Page 146
F - See Page 146
OPTION 9 BODIES
T - See Page 148 TA/TAE Series Only

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

**TA/TAE
TD/TDE**

- 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

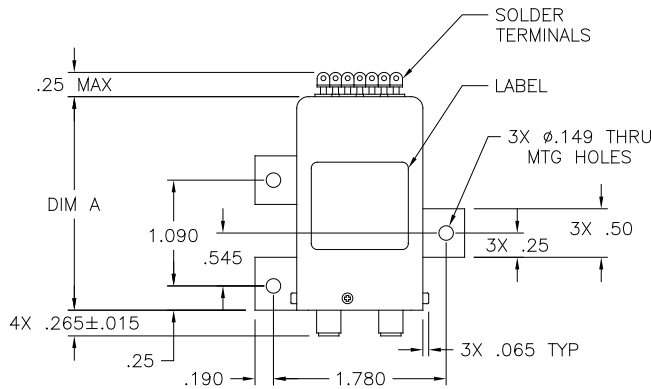
INDICATORS

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

