

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

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

Both series are available with failsafe function.

Weight (max.): 5 oz
RF Impedance: 50 ohms nominal
Operating Temperature: -25°C to +65°C ambient
Operating Life: 1,000,000 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	0.25	75
8-12 GHz	1.35	0.30	70
12-18 GHz	1.40	0.40	60
18-26.5 GHz	1.50	0.50	50

Actuator Current (typical)	12Vdc	15 Vdc	24 Vdc	28Vdc
Failsafe	455mA	410mA	245mA	225mA

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

Position	NO	NC	Latching
Switching Time - mSec (Max)	15	35	N/A

AVAILABLE OPTIONS

OPTION 3 VOLTAGE	OPTION 4 ACTUATOR		OPTION 5 POLARITY
1 - 12 Vdc	Fail-Safe		1 - Negative
2 - 28 Vdc	A - Standard	C - Indicators	2 - Positive
3 - 15 Vdc	B - Diodes	D - Diodes, Indicators	3 - Not Applicable
5 - Other	<u>Low Input Drivers with:</u>		OPTION 6 TERMINALS
6 - 24 Vdc	E - Diodes	<u>High Input Drivers with:</u>	1 - Solder
7 - 5 Vdc	F - Diodes, Indicators	EH - Diodes	Terminals
		FH - Diodes, Indicators	2 - Circular
			Connector
			3 - Other (Specify)
			4 - Micro Miniature CON-NECTOR or equivalent

ADDITIONAL OPTIONS

OPTION 7 STANDARD OPTIONS
1 - Moisture Seal
2 - High Temperature (125° C)
3 - Moisture Seal & High Temperature (125° C)

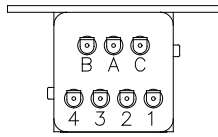
Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.

For "Additional Options" please contact Factory for part number

TF/TFE

Option 2 Series	Option 3 Voltage	Option 4 Actuator	Option 5 Polarity	Option 6 Terminals
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TOP VIEW



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

DC TERMINAL FUNCTIONS

PIN	FAILSAFE		
	A, C	B, D	E, EH, F, FH
1	N/A	N/A	N/A
2	AV	AV+	C RTN
3	AV	AV-	+V SW
4	N/A	N/A	L

SCHEMATICS

Pages 132-137		
S17	S18	S19

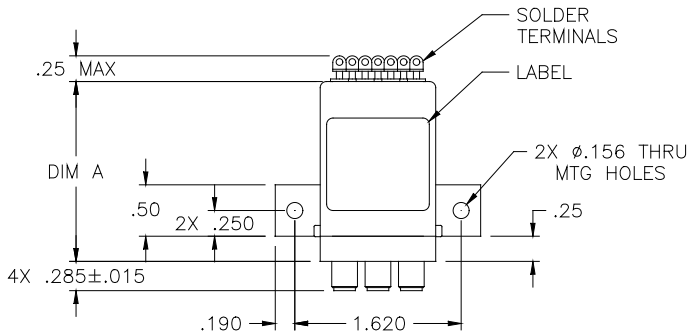
INDICATORS

PIN	A	B	C
	COM	N/C	N/O

See Page 158 for Legend of Terms and Tolerances

See Page 138 for Logic & BCD Truth Table

**FRONT VIEW
Options A, B, C, D**



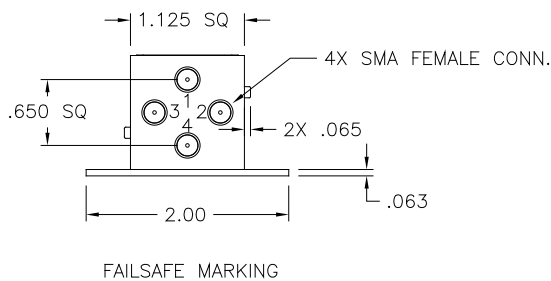
AVAILABLE OPTIONS*	OUTLINE DRAWING
	DIMENSION "A"
A, B, C, D	1.42
E, EH, F, FH	1.75

* Consult factory for Dimension "A" when multi pin connector is desired. For the circular connector configuration see page 64

RF STATUS

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

BOTTOM VIEW



**FRONT VIEW
Options E, EH, F, FH**

