

The **TT Series** features TNC connectors and a frequency range of DC to 12.4 GHz.

This series is available with fail-safe, latching self cut-off, or pulse latching functions.

Weight (max.):	14 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	1.60	0.50	65
8-12.4 GHz	1.70	0.60	60

Actuator Current (typical)	12Vdc	15 Vdc	24 Vdc	28Vdc
Failsafe	540mA	430mA	270mA	260mA
Latching	320mA	260mA	175mA	135mA

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

Position	NO	NC	Latching
Switching Time - m Sec (Max)	20	50	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	Failsafe A - Standard C - Indicators B - Diodes D - Diodes, Indicators <u>Low Input Drivers with:</u> <u>High Input Drivers with:</u> E - Diodes EH - Diodes F - Diodes, Indicators FH - Diodes, Indicators		Pulse Latching T - Standard U - Diodes V - Indicators W - Diodes, Indicators
	Latching Self Cut-Off G - Diodes H - Diodes, Indicators <u>Low Input Drivers with:</u> <u>High Input Drivers with:</u> J - Diodes JH - Diodes K - Diodes, Indicators KH - Diodes, Indicators		OPTION 6 TERMINALS 1 - Solder Terminals 2 - Circular Connector 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
A - See Page 145 B - See Page 145 G - See Page 147

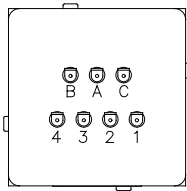
Please Note: Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.

For "Additional Options" please contact Factory for part number

TT

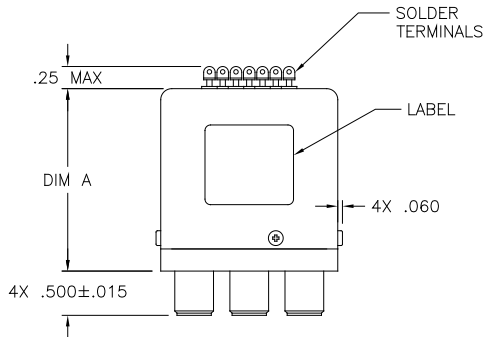
- Option 2 Series
- Option 3 Voltage
- Option 4 Actuator
- Option 5 Polarity
- Option 6 Terminals

TOP VIEW

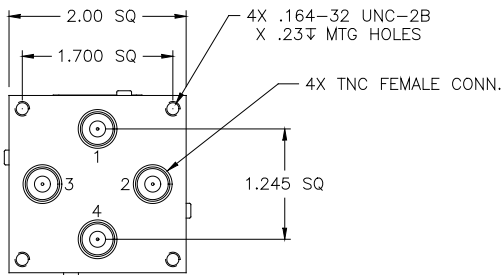


Actual markings will reflect terminal functions, not letter or number designation as shown above.

FRONT VIEW



BOTTOM VIEW



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
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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

AVAILABLE OPTIONS*	OUTLINE DRAWING DIMENSION "A"
A, B, C, D	2.06
E, F	2.06
J, K	2.06
G, H, V, W	2.06
T, U	2.06

* 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