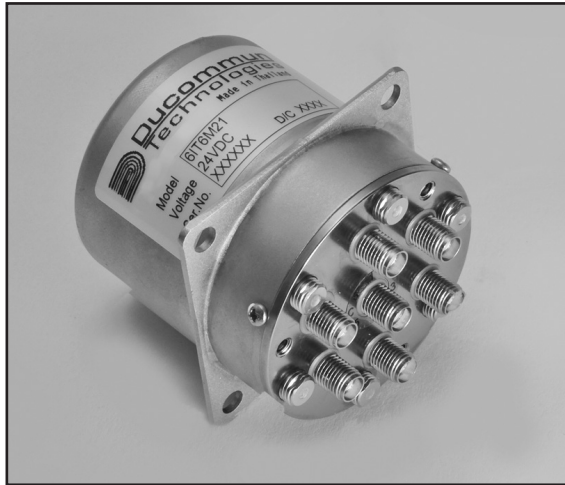


IT/ITE SERIES
SP3T to SP6T MULTI POSITION
50 OHM TERMINATED SWITCH
DC-22 GHz ◆ SMA

Click Here to Request Quote



The **IT Series** features SMA connectors and a frequency range of DC to 18 GHz. Operation is by individual solenoids and 50 ohm internal terminations.

The **ITE Series** also features SMA connectors and a frequency range of DC to 22 GHz.

Both series are available with normally open, latching self cut-off, or pulse latching functions. This switch is used in systems where RF sources cannot tolerate an open circuit load condition.

Weight (max.): 10 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	0.30	75
4-8 GHz	1.30	0.35	70
8-12 GHz	1.40	0.40	65
12-18 GHz	1.50	0.50	60
18-22 GHz	1.60	0.60	60

Actuator Current (typical)	Actuator Current (typical)			
	12Vdc	15 Vdc	24 Vdc	28Vdc
Latching	300mA	240mA	160mA	145mA
Normally Open	380mA	295mA	190mA	170mA

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

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

AVAILABLE OPTIONS

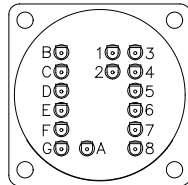
OPTION 3 VOLTAGE	OPTION 4 ACTUATOR		OPTION 5 POLARITY	OPTION 7 STANDARD OPTIONS	
1 - 12 Vdc 2 - 28 Vdc 3 - 15 Vdc 5 - Other 6 - 24 Vdc 7 - 5 Vdc	Latching Self Cut-Off G - Diodes H - Diodes, Indicators Low Input Drivers with: High Input Drivers with: J - Diodes JH - Diodes K - Diodes, Indicators KH - Diodes, Indicators JB - B C D, Diodes JBH - B C D, Diodes KB - B C D, Diodes, Indicators KBH - B C D, Diodes, Indicators		Normally Open L - Standard N - Indicators M - Diodes P - Diodes, Indicators Low Input Drivers with: High Input Drivers with: R - Diodes RH - Diodes S - Diodes, Indicators SH - Diodes, Indicators RB - B C D, Diodes RBH - B C D, Diodes SB - B C D, Diodes, Indicators SBH - B C D, Diodes, Indicators	1 - Negative 2 - Positive 3 - Not Applicable OPTION 6 TERMINALS 1 - Solder Terminals 2 - Circular Connector 3 - Other (Specify) 4 - Sub Miniature D-Shell Connector	1 - Moisture Seal 2 - High Temperature (125° C) 3 - Moisture Seal & High Temperature (125° C) OPTION 8 BRACKETS A - See Page 143
	Pulse Latching T - Standard U - Diodes V - Indicators W - Diodes, Indicators				

For "Additional Options" please contact Factory for part number

IT/ITE

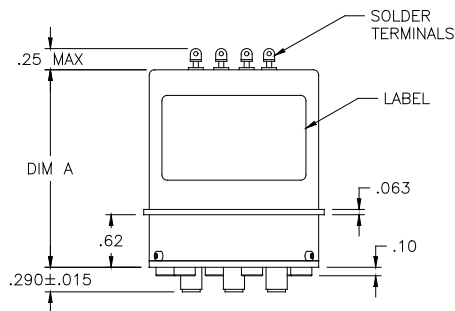
- Option 1 Positions
- Option 2 Series
- Option 3 Voltage
- Option 4 Actuator
- Option 5 Polarity
- Option 6 Terminals

TOP VIEW

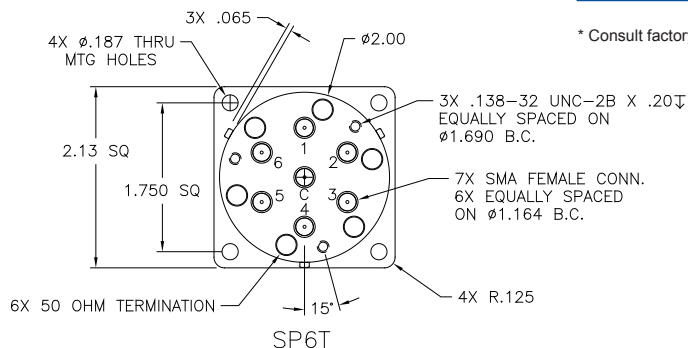


Actual markings will reflect terminal functions, not letter or number designation as shown above.

FRONT VIEW



BOTTOM VIEW



DC TERMINAL FUNCTIONS

PIN	NORMALLY OPEN			LATCHING			
	L, N	M, P	R, RH, RB, RBH, S, SH, SB, SBH	G, H	J, JH, JB, JBH, K, KH, KB, KBH	T, V	U, W
1	C	C+/-	+V SW	C+/-	+V SW	C+/-	C+/-
2	N/A	N/A	C RTN	N/A	C RTN	RESET	N/A
3	AV 1	AV 1-/+	L 1 or B C D 1	AV 1-/+	L 1 or B C D 1	PV 1-/+	PV 1-/+
4	AV 2	AV 2-/+	L 2 or B C D 2	AV 2-/+	L 2 or B C D 2	PV 2-/+	PV 2-/+
5	AV 3	AV 3-/+	L 3 or B C D 4	AV 3-/+	L 3 or B C D 4	PV 3-/+	PV 3-/+
6	AV 4	AV 4-/+	L 4	AV 4-/+	L 4	PV 4-/+	PV 4-/+
7	AV 5	AV 5-/+	L 5	AV 5-/+	L 5	PV 5-/+	PV 5-/+
8	AV 6	AV 6-/+	L 6	AV 6-/+	L 6	PV 6-/+	PV 6-/+

SCHEMATICS

Pages 129-136						
	M14	M15	M16, M17	M18	M19, M20	M21, M22

INDICATORS

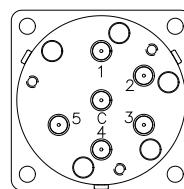
PIN	A	B	C	D	E	F	G
	COM	1	2	3	4	5	6

See Page 159 for Legend of Terms and Tolerances

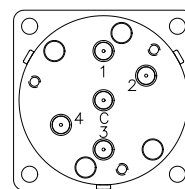
See Page 135 for Truth Table

AVAILABLE OPTIONS*	OUTLINE DRAWING DIMENSION "A"
L, T	2.08
G, H, W, U, V	2.33
J, JH, K, KH	2.58
JB, JBH, KB, KBH	2.58
M, N	2.33
P	2.58
R, RB, RBH, RH	2.58
S, SB, SBH, SH	2.58

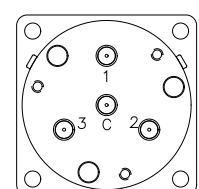
* Consult factory for Dimension "A" when multi pin connector is desired.



SP5T



SP4T



SP3T