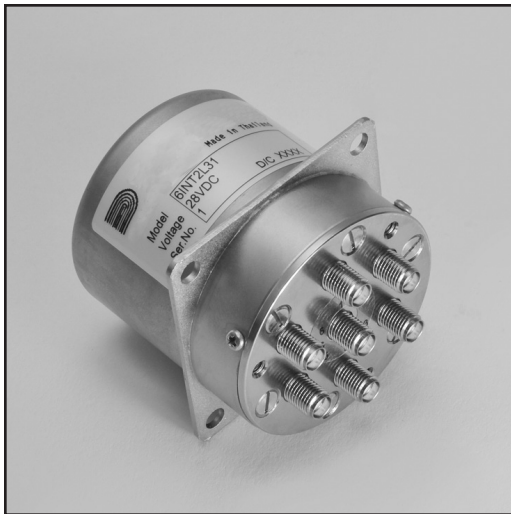


INT/INTE SERIES
1P3T to 1P6T
MULTI POSITION SWITCH
DC-22 GHz ◆ SMA

Click Here to Request Quote



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

The **INTE 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.

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)	12Vdc	15 Vdc	24 Vdc	28Vdc
	Latching	300mA	240mA	160mA
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
1 - 12 Vdc*	Latching Self Cut-Off		1 - Negative 2 - Positive 3 - Not Applicable / USB
2 - 28 Vdc	G - Diodes	H - Diodes, Indicators	
3 - 15 Vdc*	GY - Diodes with USB	HY - Diodes, Indicators/ with USB	OPTION 6 TERMINALS
5 - Other	Low Input Drivers with:	High Input Drivers with:	
6 - 24 Vdc	J - Diodes	JH - Diodes	1 - Solder Terminals
7 - 5 Vdc	K - Diodes, Indicators	KH - Diodes, Indicators	2 - Circular Connector
	JB - B C D, Diodes	JBH - B C D, Diodes	3 - Other (Specify) / USB
	KB - B C D, Diodes, Indicators	KBH - B C D, Diodes, Indicators	4 - Sub Miniature D-Shell Connector
	Pulse Latching		
	T - Standard		
	U - Diodes		
	V - Indicators		
	W - Diodes, Indicators		

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 144

Please Note: USB integration can only be applied to Voltage Options 5Vdc, 12Vdc, & 15Vdc, Polarity Option # 3, and Terminals Option # 3. Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.

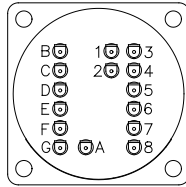
For "Additional Options" please contact Factory for part number

INT/INTE

Option 1 Positions	Option 2 Series	Option 3 Voltage	Option 4 Actuator	Option 5 Polarity	Option 6 Terminals
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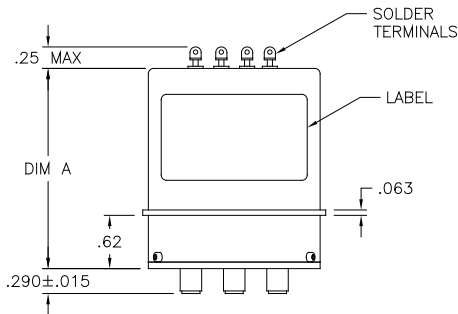
High quality microwave and millimeter wave components and subsystems. Visit Ducommun RF Products online at www.ducommun.com or contact us at 310.513.7200. All specifications are subject to change without notice.

TOP VIEW

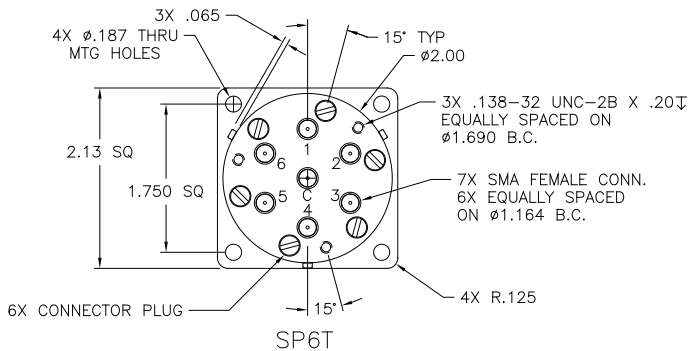


Actual markings will reflect terminal functions, not letter or number designation as shown above.

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 132-137							
	M14	M15	M16, M17	M18	M19, M20	M21, M22	M21, M22

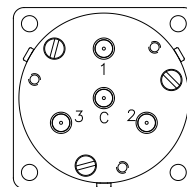
INDICATORS

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

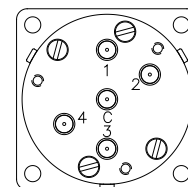
See Page 158 for Legend of Terms and Tolerances
 See Page 138 for Logic & BCD Truth Table

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

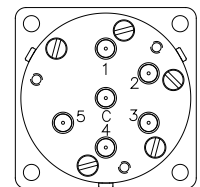
* Consult factory for Dimension "A" when multi pin connector is desired.



SP3T



SP4T



SP5T