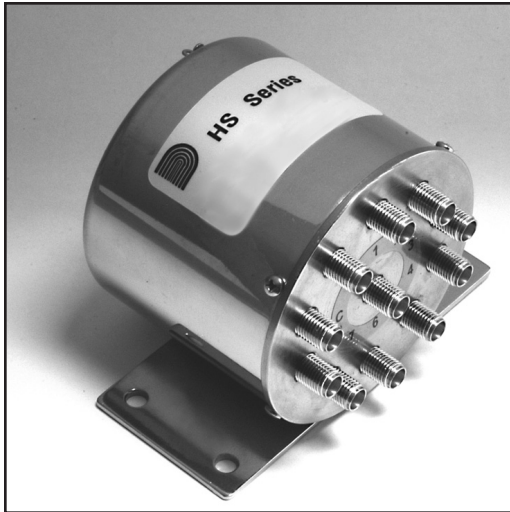


HS SERIES
SP7T to SP10T
MULTI POSITION SWITCH
DC-16 GHz ◆ SMA

Click Here to Request Quote



The **HS Series** features SMA connectors and a frequency range of DC to 16 GHz.

This series is available with failsafe or normally open functions. Please contact Factory for latching and pulse latching design availability.

Weight (max.):	15 oz
RF Impedance:	50 ohms nominal
Operating Temperature:	-25°C to +65°C ambient
Operating Life:	Contact Factory for Details
Switching Sequence:	Break Before Make

SPECIFICATIONS

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-4 GHz	1.25	0.30	75
4-8 GHz	1.30	0.35	70
8-12 GHz	1.40	0.40	65
12-16 GHz	1.60	0.80	60

Actuator Current (typical)	12Vdc	15 Vdc	24 Vdc	28Vdc
Failsafe	600mA	470mA	300mA	280mA
Normally Open	310mA	250mA	155mA	135mA

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

Positions	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	Failsafe				1 - Negative
2 - 28 Vdc	A - Standard	C - Indicators	Normally Open		2 - Positive
3 - 15 Vdc	B - Diodes	D - Diodes, Indicators	L - Standard	N - Indicators	3 - Not Applicable / USB
5 - Other	BY - Diodes with USB	DY - Diodes, Indicator with USB	M - Diodes	P - Diodes, Indicators	OPTION 6 TERMINALS
6 - 24 Vdc			MY - Diodes with USB	PY - Diodes, Indicator with USB	
7 - 5 Vdc					1 - Solder Terminals
	Low Input Drivers with:	High Input Drivers with:	Low Input Drivers with:	High Input Drivers with:	2 - Circular Connector
	E - Diodes	EH - Diodes	R - Diodes	RH - Diodes	3 - Other (Specify) / USB
	F - Diodes, Indicators	FH - Diodes, Indicators	S - Diodes, Indicators	SH - Diodes, Indicators	4 - Sub Miniature D-Shell Connector
	EB - B C D, Diodes	EBH - B C D, Diodes	RB - B C D, Diodes	RBH - B C D, Diodes	
	FB - B C D, Diodes, Indicators	FBH - B C D, Diodes, Indicators	SB - B C D, Diodes, Indicators	SBH - B C D, 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
H - See Page 146
OPTION 9 BODIES
V - See Page 150

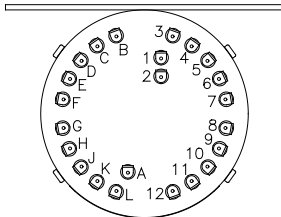
Please Note: USB integration can only be applied to Voltage Options 5Vdc, 12Vdc, & 15Vdc, Polarity Option # 3, and Terminals Option # 3. Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.

For "Additional Options" please contact Factory for part number

HS

Option 1 Positions	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

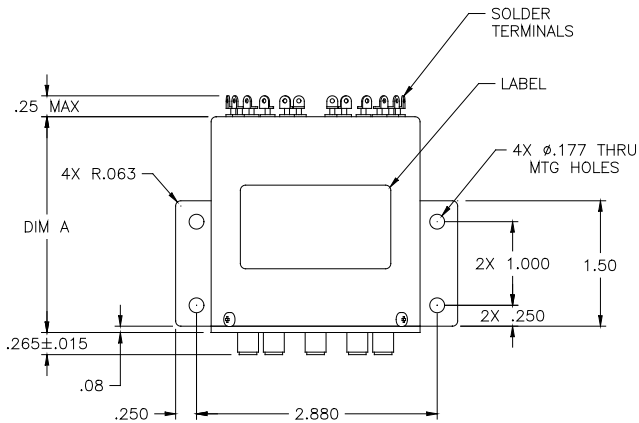
PIN	FAILSAFE			NORMALLY OPEN		
	A, C	B, D	E, EH, EB, EBH, F, FH, FB, FBH	L, N	M, P	R, RH, RB, RBH, S, SH, SB, SBH
1	C	C+/-	+V SW	C	C+/-	+V SW
2	N/A	N/A	C RTN	N/A	N/A	C RTN
3	N/A	N/A	N/A or BCD 1	AV 1	AV 1-/+	L 1 or BCD 1
4	AV 2	AV 2-/+	L 2 or BCD 2	AV 2	AV 2-/+	L 2 or BCD 2
5	AV 3	AV 3-/+	L 3 or BCD 4	AV 3	AV 3-/+	L 3 or BCD 4
6	AV 4	AV 4-/+	L 4 or BCD 8	AV 4	AV 4-/+	L 4 or BCD 8
7	AV 5	AV 5-/+	L 5	AV 5	AV 5-/+	L 5
8	AV 6	AV 6-/+	L 6	AV 6	AV 6-/+	L 6
9	AV 7	AV 7-/+	L 7	AV 7	AV 7-/+	L 7
10	AV 8	AV 8-/+	L 8	AV 8	AV 8-/+	L 8
11	AV 9	AV 9-/+	L 9	AV 9	AV 9-/+	L 9
12	AV 10	AV 10-/+	L 10	AV 10	AV 10-/+	L 10

SCHEMATICS

Pages 132-137

	M1	M2	M3, M4	M5	M6	M7, M8

FRONT VIEW



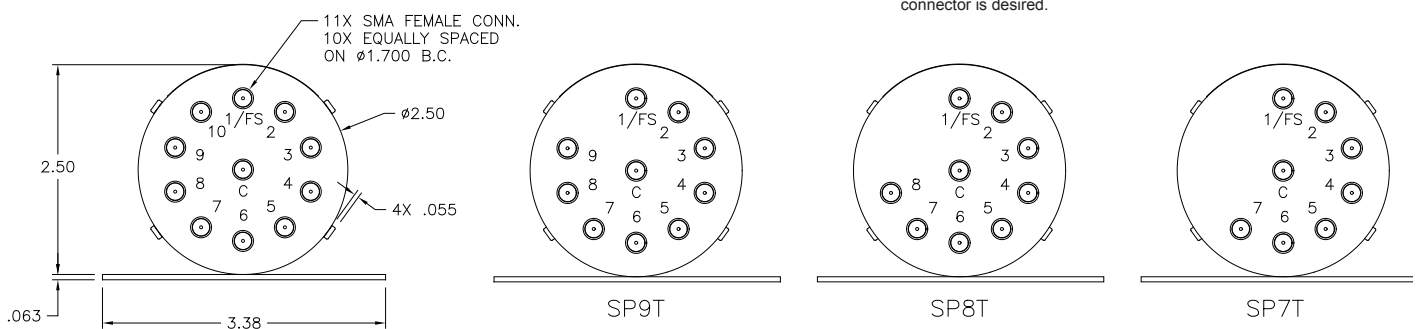
INDICATORS

PIN #	A	B	C	D	E	F	G	H	J	K	L
	COM	1 or F/S	2	3	4	5	6	7	8	9	10

See Page 158 for Legend of Terms and Tolerances

See Page 138 for Logic & BCD Truth Table

BOTTOM VIEW



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

AVAILABLE OPTIONS*	OUTLINE DRAWING DIMENSION "A"
A, L	2.13
B, C, M, N	2.33
D, P	2.33
E, EH, R, RH	3.03
EB, EBH, RB, RBH	3.03
F, FH, S, SH	3.03
FB, FBH, SB, SBH	3.03