

EST SERIES (SP7T TO SP8T)

DC-18 GHz | SMA



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

This series is available with normally open and latching operation. Standard options for the latching version are suppression diodes, current self-cutoff, indicators and D-shell connector. Standard options for normally open version are suppression diodes, indicators and D-shell connector.

Weight (max.):	16 oz
RF Impedance:	50 ohms nominal
Operating Temperature:	-25°C to +65°C ambient
Operating Life (min):	3,000,000 cycles
Switching Sequence:	Break before make

SPECIFICATIONS

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-4 GHz	1.30	0.30	90
4-8 GHz	1.35	0.35	70
8-12 GHz	1.40	0.40	65
12-18 GHz	1.50	0.50	60

Actuator Current (typical)	12Vdc	24Vdc
Latching	Consult Factory	275mA
Normally Open	Consult Factory	Consult Factory

Position	NO	Latching
Switching Time - mSec (Max)	15	15

AVAILABLE OPTIONS

OPTION 3 VOLTAGE		OPTION 4 ACTUATOR		OPTION 5 POLARITY
1 - 12 Vdc	Latching	Normally Open		1 - Negative
6 - 24 Vdc		P - Diodes and Indicators		2 - Positive
	H - Self Cut Off, Diodes, Indicators	P - Diodes and Indicators		3 - Not Applicable
	Low Input Drivers with:	High Input Drivers with:	Low Input Drivers with:	OPTION 7 (Additional Options)
	E - Diodes, Indicators	KH - Diodes, Indicators	S - Diodes and Indicators	
			SH - Diodes and Indicators	1 - Consult Factory

For additional options, please contact rfsales@ducommun.com for part numbers.

EST
4
Option 1
Positions

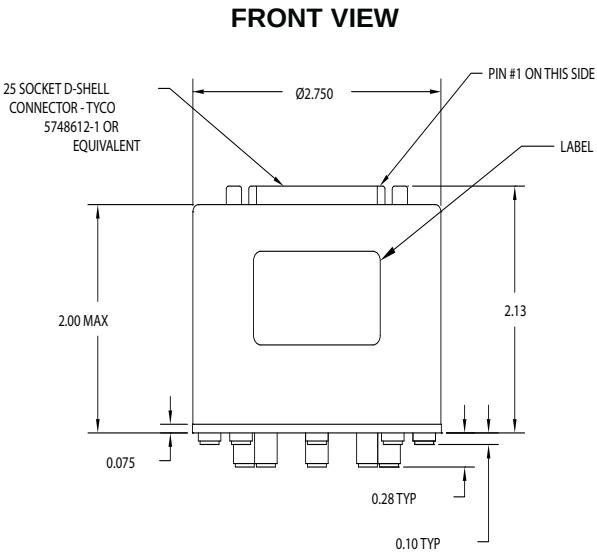
Option 2
Series

Option 3
Voltage

Option 4
Actuator

Option 5
Polarity

Option 6
Terminals



DC TERMINAL FUNCTIONS

PIN	NORMALLY	NORMALLY OPEN
	Normally Open/Latching	Normally Open/Latching w/Logic input
1	+V SW OR -V SW	+V SW
2	N/A	C RTN
3	POS #1	Logic #1
4	POS #2	Logic #1
5	POS #3	Logic #1
6	POS #4	Logic #1
7	POS #5	Logic #1
8	POS #6	Logic #1
9	POS #7	Logic #1
10	POS #8	Logic #1
11	GlobalReset (Latching Only)	Logic for GlobalReset (Latching only)
12	Indicator Common	Indicator Common
13	Ind #1	Ind #1
14	Ind #2	Ind #2
15	Ind #3	Ind #3
16	Ind #4	Ind #4
17	Ind #5	Ind #5
18	Ind #6	Ind #6
19	Ind #7	Ind #7
20	Ind #8	Ind #8
21	N/A	N/A
22	N/A	N/A
23	N/A	N/A
24	N/A	N/A
25	N/A	N/A

AVAILABLE OPTIONS	OUTLINE DRAWING	SCHEMATIC
	DIMENSION "A"	
P	Consult Factory	M15
S, SH	Consult Factory	M16
H	2.00" Max	M18
K, KH	2.00" Max	M19

See Page 198 for Legend of Terms and Tolerances.

