

DATASHEET

ELECTRICAL SPECIFICATIONS:

Frequency range	dc – 50 GHz
Impedance	50 Ω
Switch type	SPDT, reflective
Actuator type	Failsafe
Switching time	≤ 15 ms
Switching sequence	Break before make



P/N	SW-50-12S12YA	SW-50-12S18YA	SW-50-12S24YA	SW-50-12S28YA
Nom. actuating voltage	12	18	24	28
DC voltage (V_{dc})	11 to 13	16 to 20	22 to 26	26 to 30
Actuating current (mA)	190	136	98	83

Frequency [GHz]	VSWR (max.)	Insertion loss (max.) [dB]	Isolation (min.) [dB]
0 – 6	1.20	0.20	70
6 – 12	1.30	0.25	70
12 – 18	1.40	0.40	70
18 – 26.5	1.70	0.70	70
26.5 – 32	1.90	0.80	60
32 – 50	2.00	1.00	60

ENVIRONMENTAL & MECHANICAL SPECIFICATIONS:

Operating life	≥ 3 million cycles
RF connectors	2.4mm female
Actuator terminals	Solder pins
Operating temperature	-25 / +65 $^{\circ}\text{C}$
Storage temperature	-55 / +85 $^{\circ}\text{C}$
Shock (Designed to meet)	MIL-STD-202 Method 213, Condition D, 500G (Non Operating)
Vibration (Designed to meet)	MIL-STD-202 Method 214, Condition D, 10G RMS (Non Operating)
Weight	~ 70 g



