

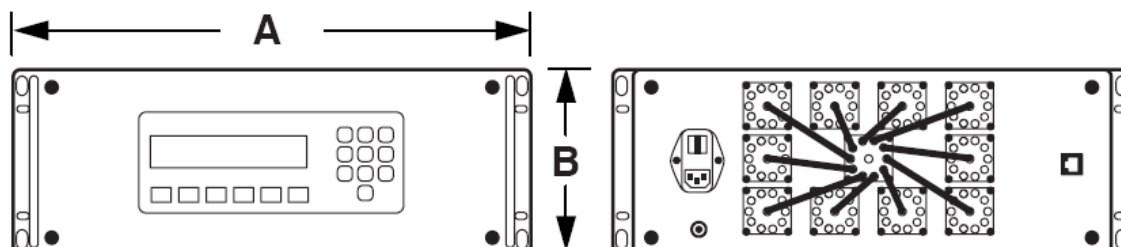
This unit houses up to 11 single pole ten throw (SP10T) switches configured (in its maximum capacity) as a 1X100 Multiplexer in a 4U (7 inch) high full rack enclosure. Back panel mounted switches reduce the number of internal RF/Microwave cables and eliminate output cables. The switching system is offered with a reduced number of switches starting from 1X10.

Benefits/Tradeoffs

- Available operating frequencies: DC-18 GHz
- Electromechanical switches offer at least 1 million life cycles
- Perfect for both low and high power applications
- Longer switching time
- For larger scaled multiplexing the chassis size quickly increases
- 1 by n (1x10, 1x20, ... , 1x100)
- Multiplexer



Electrical Specifications	
Operating Frequencies	DC to 18 GHz
VSWR	1.40 @ DC to 8 GHz 1.60 @ 8 to 12 GHz 1.80 @ 12 to 18 GHz
Isolation	70 dB @ DC to 8 GHz 60 dB @ 8 to 12 GHz 50 dB @ 12 to 18 GHz
Insertion Loss	3 dB @ DC to 8 GHz 4.5 dB @ 8 to 12 GHz 6 dB @ 12 to 18 GHz
CW Power Handling	80 W @ DC to 8 GHz 60 W @ 8 to 12 GHz 40 W @ 12 to 18 GHz
Characteristic Impedance	50 Ω
Switch Type	Normally Open
Switching Speed (max)	20 ms (switch level) / 300 ms (system level)
Power Supply	Input Voltage 85-232 VAC 47-440Hz (Optional Redundant Power Supply available)
Connectors	SMA (F)
Operating Life	1 Million Cycles (cold switching)
Size	A:483.1* B:177.8 mm
Operating Temperature	0 to +50°C



Molexy reserves the right to change this Datasheet without notice!
For special requirements, pls inquiry.