

L-Band Switch Matrix



➤ Product features

The product realizes 12x12 non-blocking full switching, and has the function of local control in the internal connection mode of the input and output interfaces; it has the function of local/remote control switching to realize local control and remote monitoring of the equipment; it has the function of status reporting, which can report the status of each channel of the equipment to the Receiving sub-control subsystem; has the ability to receive and process control instructions and macro configuration of the sub-control subsystem, and report the control response to the receiving sub-control subsystem; with power-off protection function, the original configuration parameters can be retained after power failure; power supply The module adopts dual redundant hot standby.

12x12, non-blocking full swap.

➤ Main indicator parameter

Parameter name	Typical value
Model	SP-L-40
Frequency	40MHz~2.0GHz
Gain	2±2dB
1dB compression point	≥ +7dBm
Does not damage the input level	≥ +10dBm
Gain flatness	≤1dB/800MHz, ≤0.6dB/500MHz, ≤0.08dB/20MHz
Noise figure	≤ 13dB
In-band spurs	≤-90dBm
Input signal dynamic range	-60dBm~0dBm

Parameter name	Typical value
Model	SP-L-40
I/O VSWR	$\leq 1.5:1$
Group delay	$\leq 0.8\text{ns}$
Channel isolation	$\geq 70\text{dB}$ (input-input) $\geq 70\text{dB}$ (input-output) $\geq 70\text{dB}$ (output-output, different input) $\geq 30\text{dB}$ (output-output, same input)
RF interface	SMA
Input and output impedance	50Ω
Power Requirements	$220V \pm 10\%$; $50Hz \pm 5\%$
Product size	Width: standard 19 inches on the shelf; Complete machine height: 2U; Depth of the whole machine: not more than 600mm
Operating temperature	$-10^\circ\text{C} \sim +40^\circ\text{C}$