

# L, S, C Band RF Switch Matrix – 500 MHz to 6000 MHz

## MS-7000

### 7000 Series Switch Matrix

The 7000 series model is a microwave non-blocking full fan-out product. Housed in a 3RU profile the system connects any Input to any one or multiple Outputs.

The wideband operation covers 500 MHz to 6000 MHz frequency range using a compact architecture. This switch matrix is ideal for upgrading range telemetry applications that need to use L band, S band, and C band.

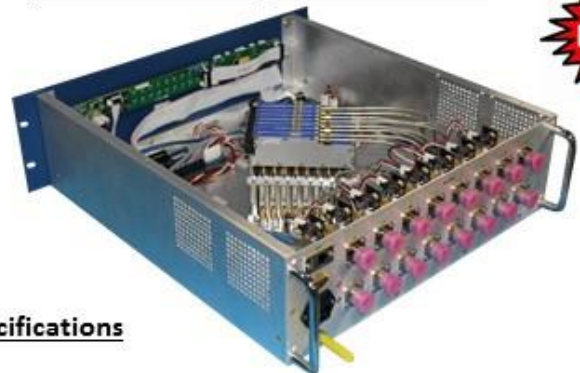
Newer site equipment can be used while still supporting older equipment.

Advantageous in Noise Figure critical applications when solid state switching is also required.

Remote control of the system includes RS-232/422, Ethernet 10/100.



**MS-7000 with N type females shown**



### Specifications

Features	Benefits
Solid-State Switching	No mechanical lifetime limits Small Size
Convection Cooled	No fan maintenance needed
Full Fanout capability	Distribute and re-route signals as needed
Remote Control	Use LAN, RS-232 or RS-422 serial protocols to remotely control signals

### Environmentals

80-264 VAC, 50-60 Hz

Standard AC grounded power cable (removable, IEC 320 C19 to NEMA 5-15P)

Fuse Breaker:	Externally accessible/replaceable
Storage Temperature:	-20°C to +75°C
Operating Temperature:	0°C to +50°C
Operating Humidity:	5 – 95% (non-condensing)

Frequency Range (MHz)	500 - 6000
Number of Input Ports	8
Number of Output Ports	8
Gain (dB)	0 ± 3
Noise Figure	8
Input Return Loss (dB)	10
Output Return Loss (dB)	10
Isolation (dB)	40
1 dB Compression Point	-4
OPIP3 (dBm)	+4
OPIP2 (dBm)	+16
Impedance (Ohms)	50
Available RF Connectors	N or SMA, female
AC Voltage	85 to 264 VAC 50 – 60 Hz
Size (in.)	5.25 H x 19 W x 18.1 D