

patch panels

TYPES

Patch panels are used for manual RF switch over in many applications described below. On request patch panels are designed with 2-way RF switches in order to automate the RF switching.

Patch panels are produced with any number of ports, more commonly in range from 3 to 15. Interlock switches are integrated to safely operate while changing positions and not to malfunction any part of equipment.

Patch panels are used to provide 1+1 passive reserve. The additional RF motorised switch permits 1+1 active reserve. The 6 port patch panel is the most commonly used to achieve antenna system redundancy. The AS is divided into two halves permitting normal operation in either the upper or lower half.

Patch panels are available with any connector from DIN 7/16 to EIA 6 1/8". Power dividers or couplers are also used. Patch panels are installed within a metal frame, and are also available with a free-standing metal frame. On request, measurement and other equipment can be mounted within the frame to reduce space requirements.

Both antenna panels are suitable for high power antenna systems, achieved by stacking in tiers. In such cases split system is used, which allows feeding of the antenna system with half power or even full transmitter power when only half antenna system is operating.

Another solution to use patch panels is to combine two individual transmitters operating on the same channel.

PRPD-FM 7/16-06
PRPD-FM 7/8"-26
PRPD-FM 1 5/8"-26
PRPD-FM 3 1/8"-36
PRPD-FM 4 1/2"-56
PRPD-FM 6 1/8"-56

PRPC-FM 7/16-06
PRPC-FM 7/8"-26
PRPC-FM 1 5/8"-26
PRPC-FM 3 1/8"-36

PRPD-VHF 7/16-06
PRPD-VHF 7/8"-26
PRPD-VHF 1 5/8"-26
PRPD-VHF 3 1/8"-36
PRPD-VHF 4 1/2"-56
PRPD-VHF 6 1/8"-56

PRPC-VHF 7/16-06
PRPC-VHF 7/8"-26
PRPC-VHF 1 5/8"-26
PRPC-VHF 3 1/8"-36

PRPD-UHF 7/16-06
PRPD-UHF 7/8"-26
PRPD-UHF 1 5/8"-26
PRPD-UHF 3 1/8"-36
PRPD-UHF 4 1/2"-56
PRPD-UHF 6 1/8"-56

PRPC-UHF 7/16-06
PRPC-UHF 7/8"-26
PRPC-UHF 1 5/8"-26
PRPC-UHF 3 1/8"-36

TYPE DESCRIPTION

PRP x - a b - c d

x - type of patch panel

C - with 3dB coupler

D - with 2 way divider

a - frequency range:

FM - range 87,5 - 108 MHz

VHF - range 174 - 230 MHz

UHF - range 470 - 862 MHz

b - port type:

7/16 - DIN 7/16

7/8" - EIA 7/8"

1 5/8" - EIA 1 5/8"

3 1/8" - EIA 3 1/8"

4 1/2" - EIA 4 1/2"

6 1/8" - EIA 6 1/8"

c - U-link type:

0 - DIN 7/16

2 - EIA 1 5/8"

3 - EIA 3 1/8"

5 - 5"

d - number of ports from 3 to 15



PRPD-FM 1 5/8"- 26



PRPC-FM 1 5/8"- 26

Impedance	50 Ω
VSWR	≤ 1 : 1,05

Any different configuration of the patch panel is possible on request.