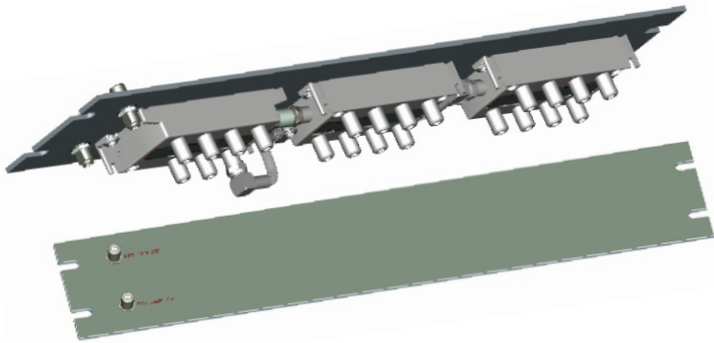




1000 MHz 16-Way Passive Head-End Combiner, Rack-Mounted type



PSC-16G  
19" Rack-Mounted type

**Features :**

- Designed for high quality wide band RF mixing
- Each single unit can mix up to multi-channel
- Rear or front panel accessible test ports for input output signals monitoring
- Combine port provided for multiple connections
- Good specifications minimize the mixing distortion
- Designed for standard 19" rack mount
- Full RFI shielded metal housing

**Specifications :**

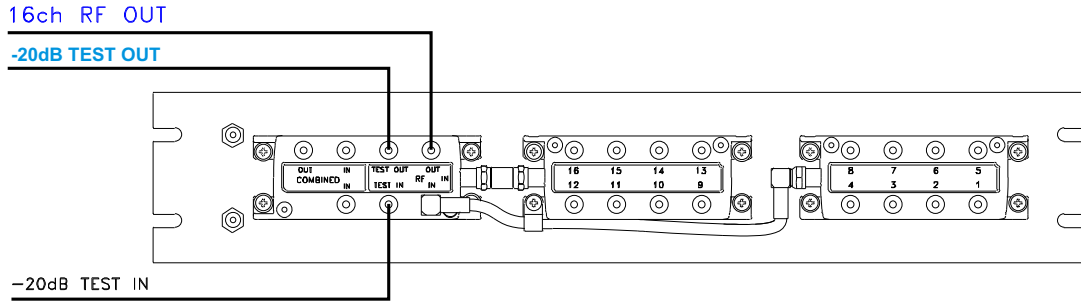
| 16-Way Combined Output         |                                   |                   | Specification |
|--------------------------------|-----------------------------------|-------------------|---------------|
| Frequency Range                |                                   |                   | 40 ~ 1000 MHz |
| Flatness within any 8 MHz SPAN |                                   |                   | 0.25 dB       |
| Insertion Loss                 | IN1~16 - OUT                      | 40 ~ 862 MHz      | 16 1.0 dB     |
|                                |                                   | 862 ~ 1000 MHz    | 16.8 1.2 dB   |
|                                | Test Input to RF Output           |                   | 20 1.0 dB     |
|                                | Test Output Relative to RF Output |                   | 20 1.0 dB     |
| Isolation                      | Port - Port                       | 22 dB min.        |               |
| Return Loss                    | IN1~16 , OUT                      | 22 dB *           |               |
| 2-Way Combined Section         |                                   | Freq. Range (MHz) | Specification |
| Insertion Loss                 | IN - OUT                          | 40 ~ 470          | 3.5 0.5 dB    |
|                                |                                   | 470 ~ 1000        | 3.8 0.5 dB    |
| Isolation                      | OUT - OUT                         | 40 ~ 470          | 25 dB min.    |
|                                |                                   | 470 ~ 1000        | 22 dB min.    |
| Return Loss                    | IN, OUT                           | 40 ~ 1000         | 22 dB *       |
| Connectors                     | All Ports                         | "F" Female        |               |
| Screening                      | (according to EN50083-2)          |                   | Class B       |
| Dimensions                     | 482.6(L) x 88(W) x 58(H)          |                   |               |
| Net Weight                     | 1640 g                            |                   |               |
| Impedance                      | 75 Ω at all ports                 |                   |               |

\* At 40 MHz -1.5 dB / OCT.

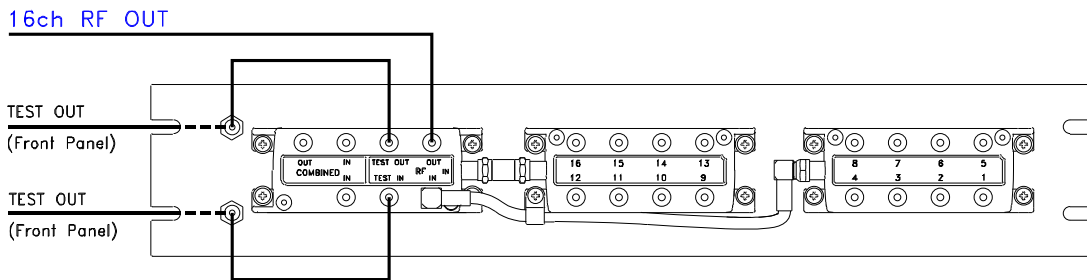


# 1000 MHz 16-Way Passive Head-End Combiner, Rack-Mounted type

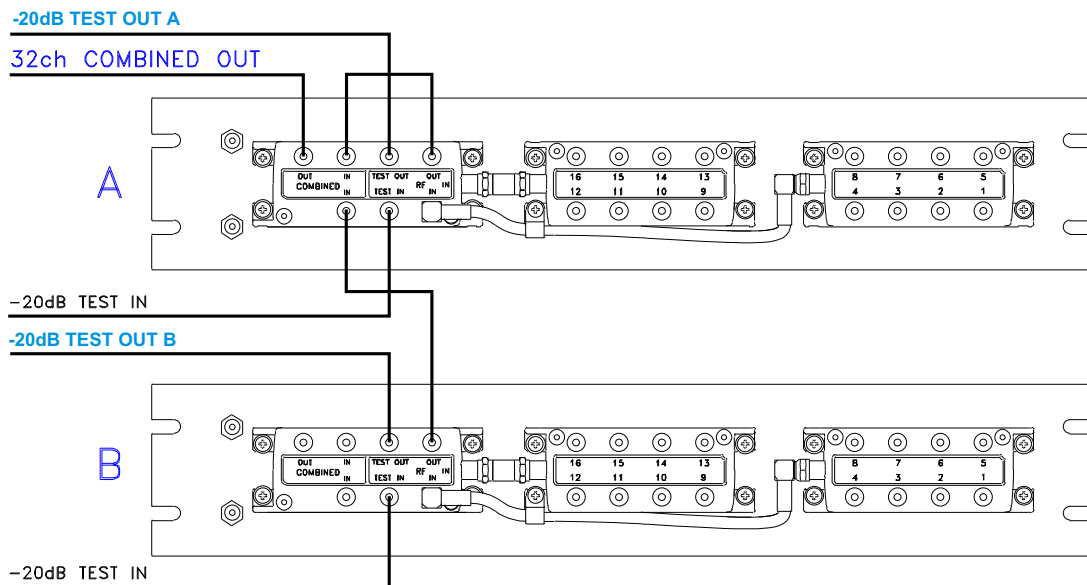
1. If the number of mixing channels is less than 16, connect all inputs to single PSC-16G combiner as shown below.



PS: (1). Terminate any redundant input port, and other open port (including test in/out) With 75ohms terminator.  
 (2). If the test port has to be connected to a monitor via the front panel, A Jumping cable has to be connected at the back of the unit As shown below.



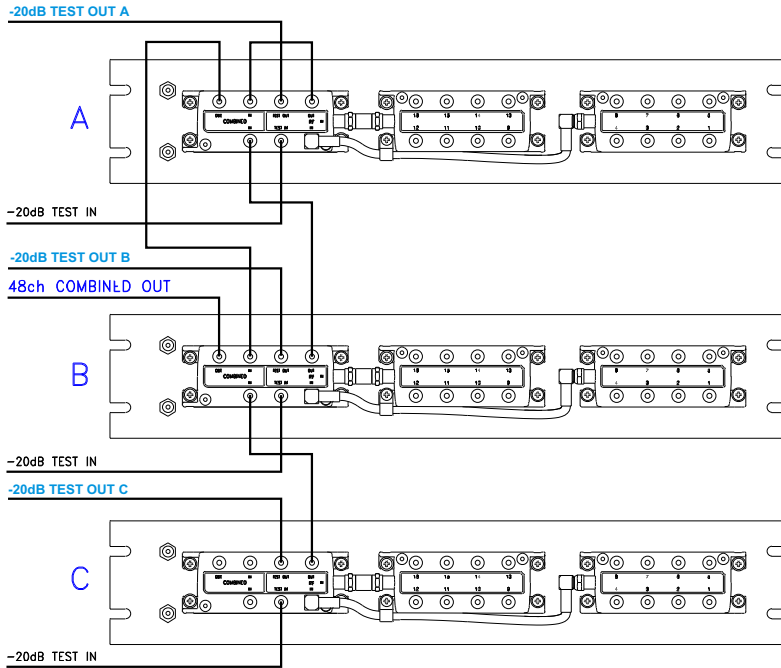
2. For mixing of 32 channels, 2 units can be cascaded as shown below.





1000 MHz 16-Way Passive Head-End Combiner, Rack-Mounted type

3. For mixing of 48 channels, 3 units can be cascaded as shown below.



4. For mixing of 64 channels, 4 units can be cascaded as shown below.

