

Ultra Compact 150 MHz Tx/Rx Combiner System 3-channel 2HU 19" single tray

DESCRIPTION

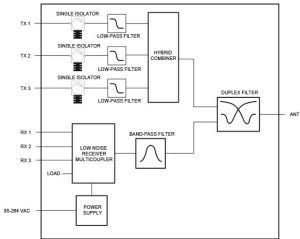
- An integrated single tray combining solution housing a 3-channel hybrid Tx hybrid combiner, duplex filter, active 3-channel Rx multicouplers and preselector.
  - Minimal 19" rack space required - only 2HU.
  - Built-in power supply 115/230 VAC.
  - Compatible with digital 6.25 kHz channel spacing.
  - Single Tx isolators fitted as standard (dual isolators available as option).
  - Please specify all Tx/Rx frequencies when ordering.
- Please Note:  
Power cable is not included, must be ordered separately, see Accessories.



ORDERING

| Model                       | Product No. |
|-----------------------------|-------------|
| PRO-HDAR150-3/l             | 210002580   |
| PRO-HDAR150-3/h             | 210002581   |
| Accessories                 |             |
| Power Cable EU, with Ground | 210002646   |
| Power Cable UK, with Ground | 210002647   |
| Power Cable US, with Ground | 210002648   |

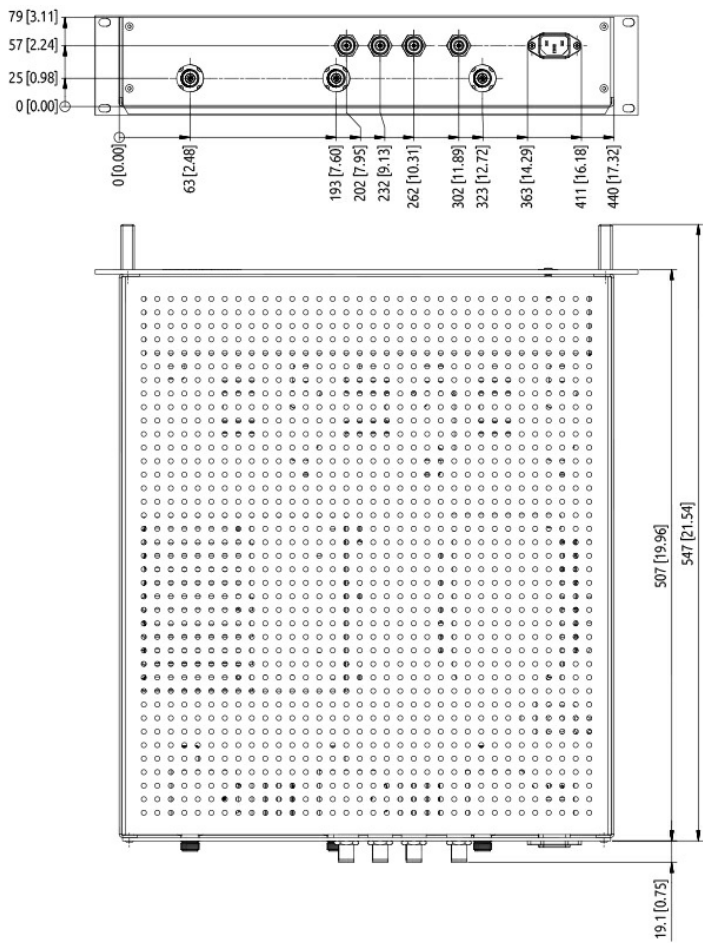
BLOCK DIAGRAM



SPECIFICATIONS

| Electrical                   |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| Model                        | PRO-HDAR150-3/...                                                      |
| Frequency                    | l: 136 - 156 MHz<br>h: 152 - 175 MHz                                   |
| Max. Input Power             | 50 W (per channel)                                                     |
| Max. Tx-Tx Spacing, Δ Tx     | 1.5 MHz                                                                |
| Min. Tx-Rx Spacing           | 4 MHz                                                                  |
| Rx-Isolation on Tx-Frequency | Tx-Tx spacing < 0.5 MHz : > 80 dB<br>Tx-Tx spacing > 0.5 MHz : > 60 dB |
| Insertion Loss Tx Path       | < 7.0 dB                                                               |
| Impedance                    | 50 Ω                                                                   |
| Ant-Tx Isolation             | > 40 dB @ 25° C                                                        |
| Gain                         | Rx PATH: 1 dB ±1 dB (factory set)                                      |
| Rx-Rx Isolation              | > 20 dB                                                                |
| Tx-Tx Isolation              | > 70 dB                                                                |
| VSWR                         | ≤ 1.5:1                                                                |
| Tx-Isolation on Rx-Frequency | Rx-Rx spacing < 0.5 MHz : > 80 dB<br>Rx-Rx spacing > 0.5 MHz : > 60 dB |
| LNA Noise Figure             | < 3.5 dB                                                               |
| No. of Channels              | 3 - 3                                                                  |
| Power Supply                 |                                                                        |
| Voltage                      | 85 - 264 VAC                                                           |
| Frequency                    | 47 - 63 Hz                                                             |
| AC current (typ.)            | 0.35 A/115 VAC 0.25 A/230 VAC                                          |
| Mechanical                   |                                                                        |
| Connection(s)                | N(f)                                                                   |
| Dimensions                   | 19" x 2HU - see drawing for depth of tray                              |
| Weight                       | Approx. 7.0 kg / 15.4 lb.                                              |
| Environmental                |                                                                        |
| Operating Temperature Range  | -30 to 60 °C                                                           |

MOUNTING DETAILS



All dimensions are given in mm [in.]

EU DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type PRO-HDAR150-3/... is in compliance with EU Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at:  
<http://amphenolprocom.com/images/pdf-for-catalogues/Declaration-of-Conformity-PRO-HDAR-2HU.pdf>

