Ultra Compact 150 MHz Tx/Rx Combiner System 4-channel 2HU 19" single tray

DESCRIPTION

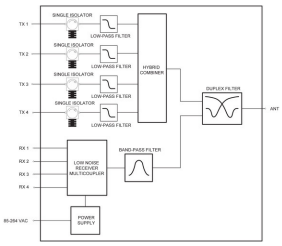
- An integrated single tray combining solution housing a 4-channel hybrid Tx hybridcombiner, duplex filter, active 4-channel Rx multicouplers and preselector.
- Minimal 19" rack space required - only 2HU.
- Built-in power supply 115/230 VAC.
- Compatible with digital 6.25 kHz channel spacing.
- Single 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-HDAR150-4/l	210002582
PRO-HDAR150-4/h	210002583
Accessories	
Power Cable EU, with Ground	210002646
Power Cable UK, with Ground	210002647
Power Cable US, with Ground	210002648

BLOCK DIAGRAM



SPECIFICATIONS

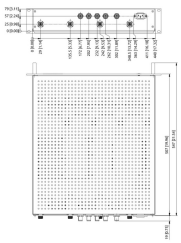
Electrical	
Model	PRO-HDAR150-4/...
Frequency	l: 136 - 156 MHz h: 152 - 175 MHz
Max. Input Power	50 W (per channel)
Max. Tx-Tx Spacing, Δ Tx	1.5 MHz
Min. Tx-Rx Spacing	4 MHz
Rx-Isolation on Tx-Frequency	Tx-Tx spacing < 0.5 MHz : > 80 dB Tx-Tx spacing > 0.5 MHz : > 60 dB
Insertion Loss Tx Path	< 8.0 dB
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 Rx-Rx spacing > 0.5 MHz : > 60 dB
LNA Noise Figure	< 3.5 dB
No. of Channels	4 - 4

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. 7.5 kg / 16.5 lb.

Environmental	
Operating Temperature Range	-30 to 60 °C

MOUNTING DETAILS



All dimensions are given in mm [in.]

EU DECLARATION OF CONFORMITY

Hereby Amphnol Procom declare that the product type PRO-HDAR150-4/... 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-catalouges/Declaration-of-Conformity-PRO-HDAR-2HU.pdf