

2-Channel 19" 3 HU Single Tray Combining System

DESCRIPTION

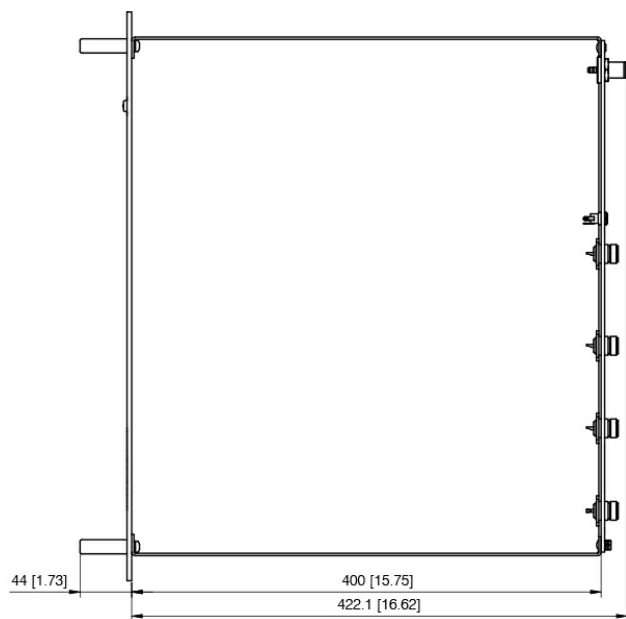
- An integrated single tray combining solution housing a 2-channel hybrid Tx hybrid combiner, duplex filter, active Rx multicouplers and preselector.
- Minimal rack space required - only 3 HU.
- Compatible with digital 6.25 kHz channel spacing.
- Single Tx isolators fitted as standard (dual isolators available as option).
- 2 Rx ports as standard (4 ports available as option).
- Please specify Tx/Rx frequencies when ordering.



SPECIFICATIONS

Electrical	
Model	PRO-COM150-HDAR-2 ...
Frequency	l : 136 - 156 MHz h : 152 - 175 MHz
Max. Input Power	35 W (per channel)
Max. Tx-Tx Spacing	1.5 MHz
Min. Duplex Spacing	4 MHz
Insertion Loss Tx Path	< 5.0 dB
Impedance	50 Ω
Ant-Tx Isolation	> 40 dB @ 25 °C
Isolation Rx-Rx	> 20 dB
Isolation Tx-Tx	> 70 dB
VSWR	< 1.5:1
Current Consumption	500 mA @ 12 V DC
LNA Noise Figure	< 3.5 dB
Gain Rx	1 dB ±1 dB (factory set)
No. of channels	2
Mechanical	
Connection(s)	N(f)
Dimensions	19" x 3 HU (482.6 x 132.55 mm) / 19 x 5.22 in. - see Mechanical Outline for depth of tray
Weight	Approx. 6.3 kg / 13.89 lb.
Environmental	
Operating temperature range	-30 °C to +60 °C

MOUNTING OUTLINE



All dimensions are given in mm [in.].

ORDERING DESIGNATIONS

CONTACT FOR SYSTEM-SPECIFIC PRODUCT NO.

Use the guide below to make the name of the PRO-COM150-HDAR-2 you would like to buy. Remember to buy the Power Adaptor separately if needed.

Model	Color of front plate	Combiner Freq. Band	Duplex filter Bandwidth (BW) and Tx/Rx Spacing	Hybrid Tx frequencies
PRO-COM150-	Alu front plate = HDAR-2 Black front plate = BHDAR-2	Low : 138 - 156 MHz = L High : 152 - 175 MHz = H	1.5-4/6-1.5 * 1.5-6/8-1.5 1.5-8/10-1.5 * Max. Low BW: 1.5 MHz- Tx/Rx spacing: 4 to 6 MHz - Max. High BW: 1.5 MHz = 1.5-4/6-1.5	136 - 142 MHz = 1 140 - 146 MHz = 2 144 - 150 MHz = 3 148 - 154 MHz = 4 152 - 158 MHz = 5 156 - 162 MHz = 6 160 - 166 MHz = 7 164 - 170 MHz = 8 168 - 174 MHz = 9 172 - 178 MHz = 10

Naming Example

PRO-COM150-	HDAR-2	H	/1.5-4/6-1.5/	7
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Naming Example: PRO-COM150-HDAR-2 H/1.5-4/6-1.5/7

ACCESSORIES

Model	Product No.
Power Supply AC/DC 12V/1A EU/UK/US	240000060

POWER SUPPLY AC/DC 12V/1A EU/UK/US



EU AND UK DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type PRO-COM150-HDAR-2 is in compliance with EU Directive 2014/53/EU and the UK Radio Equipment Regulations 2017 (S.I. 2017 No. 1206).
The full text of the Declaration of Conformity is available at:

https://amphenolprocom.com/images/shop/catalog/pdf-for-catalogues/Declaration-of-Conformity-PRO-COM-HDAR_BHDAR.pdf

