

3-Channel 19" 3 HU Single Tray Combining System

DESCRIPTION

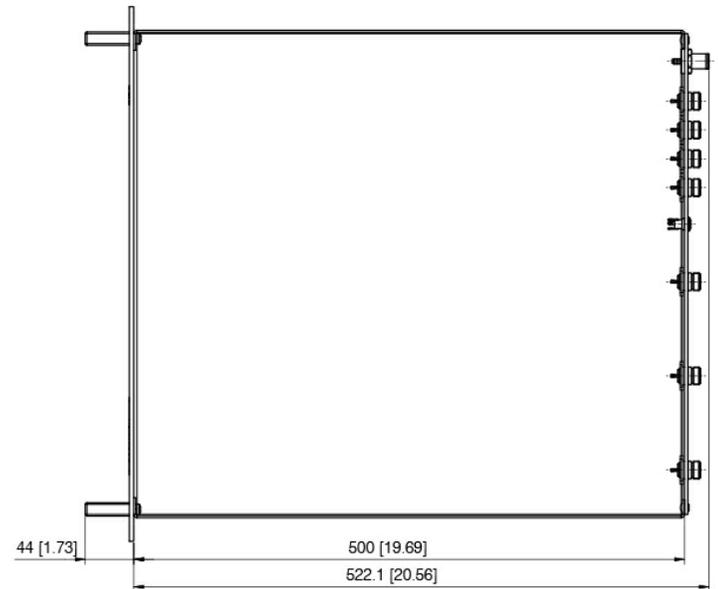
- > An integrated single tray combining solution housing a 3-channel hybrid Tx hybrid combiner, duplex filter, active Rx multicouplers and preselector.
- > Minimal rack space required - only 3 HU.
- > Compatible with digital 6.25 kHz channel spacing.
- > Single Tx isolators fitted as standard (dual isolators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



SPECIFICATIONS

Electrical	
Model	PRO-COM450-HDAR-3 ...
Frequency	l : 340 - 400 MHz h : 406 - 470 MHz
Max. Input Power	50 W (per channel)
Max. Tx-Tx Spacing	2 MHz
Min. Duplex Spacing	5 MHz
Insertion Loss Tx Path	< 7.0 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	3
Mechanical	
Connection(s)	N(f)
Dimensions	19" x 3 HU (483 x 132.55 mm) / 19 x 5.22 in. - see Mechanical Outline for depth of tray
Weight	Approx. 8.5 kg / 18.74 lb.
Environmental	
Operating temperature range	-30 °C to +60 °C

MECHANICAL 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-COM450-HDAR-3 you would like to buy. Remember to buy the Power Adaptor separately if needed.

Model	Color of front plate	Combiner Freq. Band	Rx Frequencies	Duplex filter Bandwidth (BW) and Tx/Rx Spacing	Hybrid Tx frequencies
PRO-COM450-	Alu front plate = HDAR-3 Black front plate = BHDAR-3	Low : 340 - 400 MHz = L High : 406 - 470 MHz = H	406 - 440 MHz = L 440 - 470 MHz = H	2-5/7-2 * 2-7/9-2 2-9/13-2 2-13/16-2 * Max. Low BW: 2 MHz- Tx/Rx spacing: 5 to 7 MHz - Max. High BW: 2 MHz = 2-5/7-2	395 - 410 MHz = 1 405 - 420 MHz = 2 415 - 430 MHz = 3 425 - 440 MHz = 4 435 - 450 MHz = 5 445 - 460 MHz = 6 455 - 470 MHz = 7 465 - 480 MHz = 8

Naming Example

PRO-COM450-	HDAR-3	H	H	/2-5/7-2/	5
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Naming Example: PRO-COM450-HDAR-3 HH/2-5/7-2/5

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-COM450-HDAR-3 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

