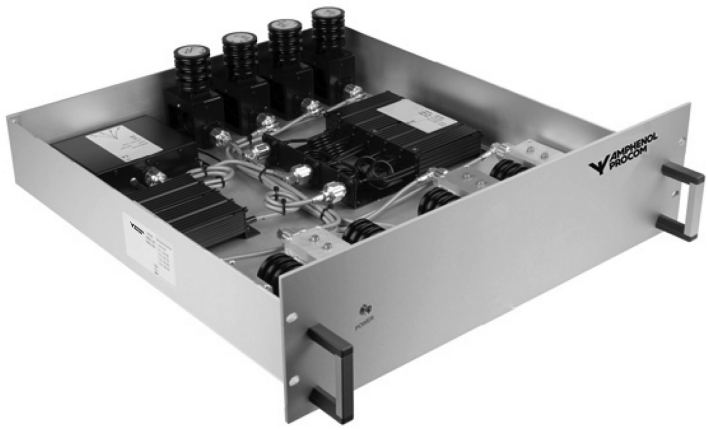
This combiner has now been replaced with a similar, updated version, and we have shortened the name slightly.
Please refer to PRO-COM450-4.

4-Channel 19" 3 HU Single Tray Combining System



DESCRIPTION

- An integrated single tray combining solution housing a 4-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.

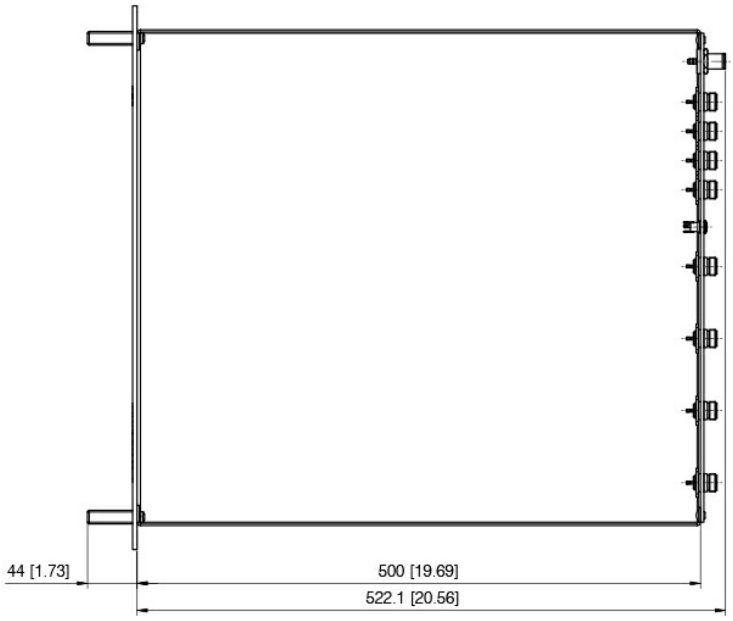
SPECIFICATIONS

Electrical	
Model	PRO-COM450-HDAR-4 ...
Frequency	l : 340 - 400 MHz h : 406 - 470 MHz
Max. Input Power	50 W
Max. Tx-Tx Spacing	2 MHz
Min. Duplex Spacing	5 MHz
Insertion Loss Tx Path	< 8.0 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	4

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. 9.2 kg / 20.28 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-4 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-4 Black front plate = BHDAR-4	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 2-15/27-2 * Max. Low BW: 2 MHz- Tx/Rx spacing: 5 to 7 MHz - Max. High BW: 2 MHz = 2-5/7-2	380 - 400 MHz = TETRA 400 - 405 MHz = 1 404 - 409 MHz = 2 408 - 413 MHz = 3 412 - 417 MHz = 4 416 - 421 MHz = 5 420 - 425 MHz = 6 424 - 429 MHz = 7 428 - 433 MHz = 8 432 - 437 MHz = 9 436 - 441 MHz = 10 440 - 445 MHz = 11 444 - 449 MHz = 12 448 - 453 MHz = 13 452 - 457 MHz = 14 456 - 461 MHz = 15 458 - 463 MHz = 16 462 - 467 MHz = 17 466 - 471 MHz = 18 470 - 475 MHz = 19
Naming Example					
PRO-COM450-	HDAR-4	H	H	/2-5/7-2/	10

Naming Example: PRO-COM450-HDAR-4 HH/2-5/7-2/10

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-4 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-catalouges/Declaration-of-Conformity-PRO-COM-HDAR_BHDAR.pdf