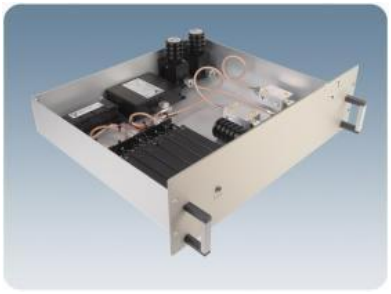
zenitel

DATASHEET



2640500018

UHF Radio 2 Channel Combiner, ZEN-COMB-2CH

UHF Radio Combiner

- Radio UHF Maritime Combiner
- 2 channels

DMR UHF Marine

Description

The UHF Radio 2 Channel Combiner ZEN-COMB-2CH is a hybrid combiner with single isolators, an active receiver multicoupler and a duplex filter. As default the combiner is tuned for the maritime frequency band: Base station TX range: 457.5250 - 457.5750 MHz, RX range: 467.5250 - 467.5750 MHz. The combiner is supplied by 12Vdc. EU Outlet adapter 230Vac/12Vdc included.

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Specifications

GENERAL	
Dimensions	19" x 3 HU x 400 mm (483 x 133 x 400 mm)
Weight	6.3 Kg
Front plate color	Black
Connectors	N-female
Temperature range	-30° C to +60° C
Maritime approval	EN/IEC 60945

ELECTRICAL	
Frequency Range	406 - 470 MHz
Max. Input power per channel	50W
Max. TX-TX Spacing	2.0 MHz
Min. TX-RX Spacing	5.0 MHz
Insertion loss, TX path	< 5.0 dB
TX-TX Isolation	> 70 dB
ANT-TX Isolation	> 40 dB @ 25° C
RX Isolation in TX band:	
- TX-TX spacing < 0.5 MHz	> 85 dB
TX-TX spacing > 0.5 MHz	> 65 dB
TX Isolation in RX band:	
- RX-RX spacing < 0.5 MHz	> 85 dB
- RX-RX spacing > 0.5 MHz	> 65 dB
RX-RX Isolation	> 20 dB
Impedance nom.	50 Ω
SWR	≤ 1.5
LNA Noise Figure	< 3.5 dB
Gain, RX Path	+/-1 dB
Current consumption	500 mA @ 12 Vdc

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