



2640500019

# UHF Radio 3 Channel Combiner, ZEN-COMB-3CH

UHF Radio Combiner

- ⊘ Radio UHF Maritime Combiner

DMR MUHF Marine

## Description

The UHF Radio 3 Channel Combiner, ZEN-COMB-3CH 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.

#### www.zenitel.com

#### info@zenitel.com

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

# Specifications

### GENERAL

Dimensions	19" x 3 HU x 500 mm (483 x 133 x 500 mm)
Weight	7.0 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	< 7.0 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 W
SWR	≤ 1.5
LNA Noise Figure	< 3.5 dB
Gain, RX Path	+/-1 dB
Current consumption	500 mA @ 12 Vdc

### www.zenitel.com

### info@zenitel.com

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.