

# PRO-MAR4-N

## Miniature 4-Channel Shortwave Receiver Multicoupler

### DESCRIPTION

- Active wideband receiver multicoupler for the LF, MF, HF and low VHF bands.
- For use where four receivers have to share the same antenna.
- Wide frequency range: Covers 10 kHz – 108 MHz.
- High isolation between the four receiver outputs.
- Amplifier built in to compensate for loss in multicoupler network.
- Adjustable gain.
- High IP2 and IP3.
- Low amplifier noise figure.
- Wide supply voltage range.
- N-, BNC- or TNC-female connectors on all ports.

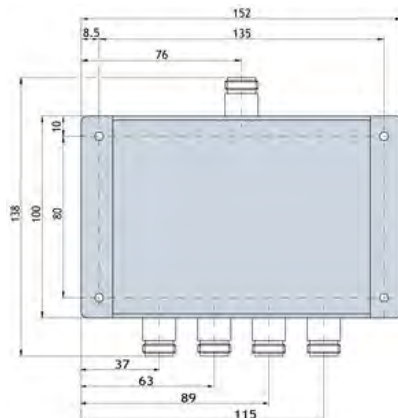


### ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-MAR4-N	210001594
PRO-MAR4-BNC	210000153
PRO-MAR4-TNC	210001593

### SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-MAR4-N
FREQUENCY RANGE	10 kHz - 108 MHz
GAIN INPUT TO ALL OUTPUTS	Adjustable from < -8 dB to > +2 dB
GAIN FLATNESS	Better than $\pm 1$ dB
NF (AMPLIFIER)	< 5.5 dB @ 10 MHz, < 4.5 dB @ 108 MHz
$P_{1dB}$	> +6 dBm (@ gain = max.)
OIP <sub>2</sub>	> +29 dBm (@ gain = max.)
OIP <sub>3</sub>	> +17 dBm (@ gain = max.)
ISOLATION BETWEEN OUTPUTS	Min. 17 dB, typ. > 20 dB
ISOLATION, OUTPUT TO INPUT	> 25 dB
INPUT SWR	< 2.0
OUTPUT SWR	< 1.5
SUPPLY VOLTAGE/CURRENT	11 to 25 V 90 mA
MECHANICAL	
CONNECTORS	N-, BNC- or TNC-female
DIMENSIONS (L x W x H)	138 (incl. connectors) x 152 (incl. flanges) x 35 mm
WEIGHT	Approx. 400 g
MOUNTING	$\varnothing 4$ mm (four holes)



PROCOM A/S reserve the right to amend specifications without prior notice.

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