



# PRO-MPHY68-88-2-3 dB

2-Channel Wilkinson Power Combiner / Divider for the 68-88 MHz band



## DESCRIPTION

- Combines two transmitters or receivers on the same antenna.
- Better utilization of good antenna position.
- The only combining option with very small Tx-Tx frequency spacing.
- Can handle 60 W power as a splitter or 10 W pr channel as a combiner.
- Two antennas on the same transmitter or receiver.
- Symmetrical 1: 1 dividing ratio (-3 dB).

## SPECIFICATION

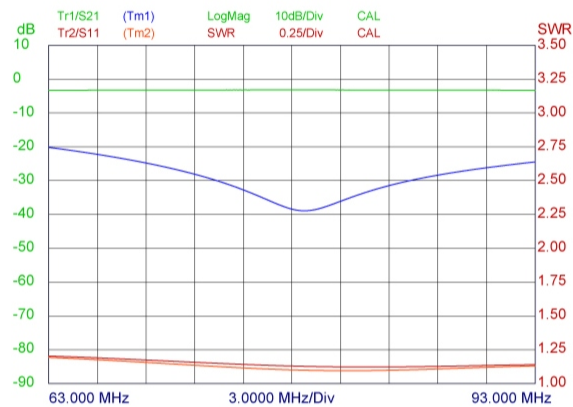
|                             |                                                                             |
|-----------------------------|-----------------------------------------------------------------------------|
| Electrical                  |                                                                             |
| Model                       | PRO-MPHY68-88-2-3 dB                                                        |
| Filter Type                 | Cascaded Wilkinson                                                          |
| Frequency                   | 66 – 88 MHz                                                                 |
| Max. Input Power            | 60 W as power splitter, 10 W pr channel as combiner                         |
| Coupling                    | < 3.5 dB @ 10 MHz BW                                                        |
| Insertion Loss              | < 3.5 dB @ 10 MHz BW                                                        |
| Impedance                   | 50 Ω                                                                        |
| Isolation                   | > 20 dB @ 10 MHz BW                                                         |
| VSWR                        | < 1.3 when all ports are terminated with 50 Ω @ 10 MHz BW                   |
| No. of channels             | 2                                                                           |
| Environmental               |                                                                             |
| Operating temperature range | -30 °C to +60 °C                                                            |
| Mechanical                  |                                                                             |
| Connection(s)               | N(f) (other types as option)                                                |
| Historic Brand              | Amphenol Procom                                                             |
| Dimensions                  | 129 (incl. conn.) x 152 (incl. flanges) x 35 mm /<br>5.08 x 5.98 x 1.38 in. |
| Weight                      | Approx. 0.45 kg / 0.99 lb.                                                  |

## ORDERING CODES

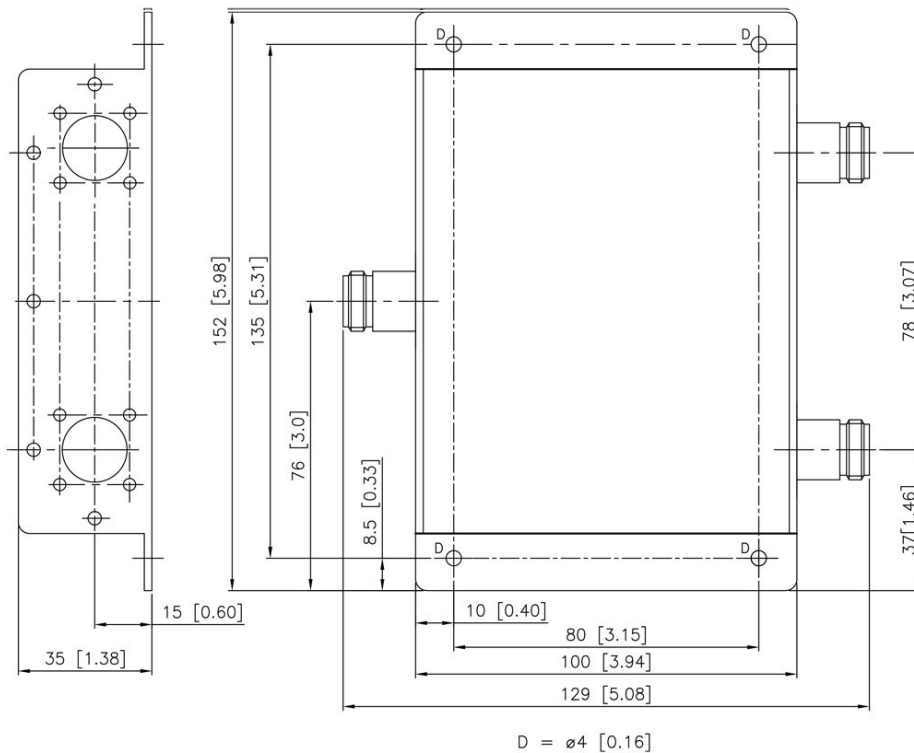
| Model                                                               | Product No. |
|---------------------------------------------------------------------|-------------|
| 2-Channel Wilkinson Power Combiner / Divider for the 68-88 MHz band | 210000657   |

## DIAGRAMS

### TYPICAL RESPONSE CURVE



### MOUNTING DETAILS



All dimension are given in mm [in.]

