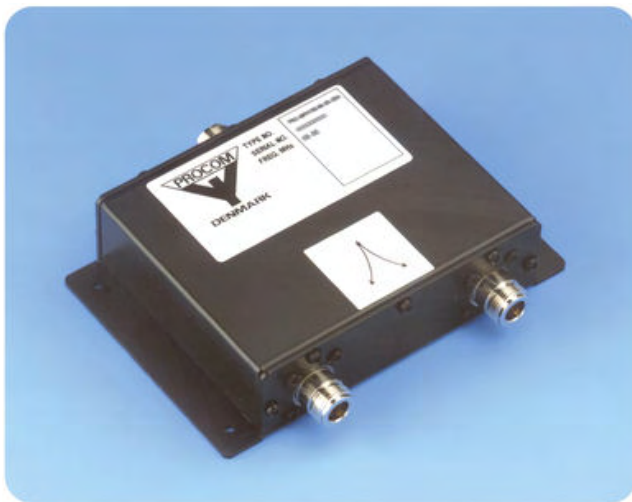


PRO-MPHY450-2-.. dB-N

2-Channel Hybrid Ring Power Combiner/Divider for the 450 MHz band

DESCRIPTION

- Combines two transmitters or receivers on the same antenna.
- Better utilisation of good antenna position.
- The only combining option with very small TX-TX frequency spacing.
- 30 W load built-in.
- Two antennas on the same transmitter or receiver.
- Symmetrical 1:1 dividing ratio (-3 dB).
- Can be delivered with asymmetrical dividing ratio, e.g. -6 dB, -10 dB or -15 dB.

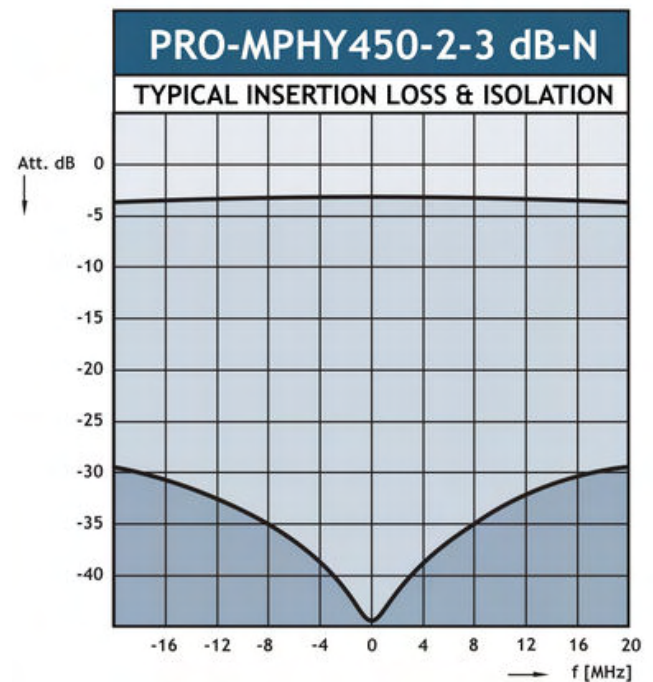


ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-MPHY450-2-3 dB-N	21000606
PRO-MPHY450-2-6 dB-N	21000728
PRO-MPHY450-2-10 dB-N	21000746
PRO-MPHY450-2-15 dB-N	21001145

SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-MPHY450-2-.. dB-N
FILTER TYPE	Hybrid Ring Junction
CENTER FREQUENCY	To be stated within 380 and 475 MHz
MAX. INPUT POWER	30 W per channel when used as a power combiner. 60 W when used as a power divider. Note: When used as a power combiner, extra cooling is necessary. At 2 x 30 W the unit requires a heatsink with $R_{th} \leq 3^\circ \text{C/W}$.
INSERTION LOSS, SYMMETRICAL DIVIDING RATIO	< 3.4 dB @ 10 MHz BW < 3.7 dB @ 20 MHz BW
ISOLATION	> 35 dB @ 10 MHz BW > 30 dB @ 20 MHz BW
IMPEDANCE	Nom. 50 Ω
SWR	< 1.5 with all other ports terminated with 50 Ω
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTORS	N-female (other types as option)
DIMENSIONS (L x W x H)	138 (incl. conn.) x 152 (incl. flanges) x 35 mm
WEIGHT	Approx. 350 g



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

12/08/2009