



PRO-PHY450-3/380-410/SWR

3-Channel Hybrid Ring Combiner for TETRA Communication Radios

- Combiner for parallel operation of three TETRA transceivers on one common antenna where highest possible decoupling (isolation) is necessary.
- Network can be adjusted for optimization of isolation.

- High isolation achievable: Up to -50 dB at the centre frequency (dependent on the SWR of the connected antenna).
- Max. power 50 W per channel.
- Very small ripple on the connectors over the total frequency range.

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-PHY450-3/380-410/SWR	210000885

SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-PHY450-3/380-410/SWR
FILTER TYPE	Hybrid Ring Junction
FREQUENCY	380 - 410 MHz
MAX. INPUT POWER	50 W per channel (max. 150 W with larger load)
NOMINAL DIVIDER LOSS	4.7 dB
TOTAL LOSS INCL. SPLITTER LOSS /COUPLER LOSS	< 5.5 dB
IMPEDANCE	Nom. 50 Ω
INPUT SWR	< 1.5
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTOR TYPE	N-female (Others on request)
DIMENSIONS (L x W x H)	400 x 182 (incl. connector) x 42 mm
WEIGHT	1500 g

ISOLATION RESPONSE



PROCOM A/S reserve the right to amend specifications without prior notice.
09/12/15

