

PRO-PHY450-2/380-410/SWR

2 Channel Hybrid Ring Combiner for TETRA Communication Radios

DESCRIPTION

- Combiner for coupling of 2 TETRA transceivers on one common antenna.
- SWR adjustment network for optimization of SWR in the frequency range of 380 to 410 MHz.
- High isolation achievable: Up to -50 dB in the centre frequency (dependant on the SWR of the connected antenna).
- For parallel operation of two twoway communication radios (transceivers) where highest possible decoupling (isolation) is necessary. Via the adjustment network the SWR of the antenna and consequently the isolation between the ports of the combiner can be clearly improved.
- The adjustment of the SWR adjustment network takes place via built-in variable capacitors.
- Max power 2 x 50 W.
- Very small ripple on the connectors over the total frequency range.

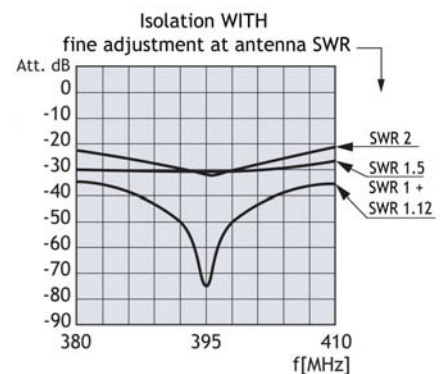
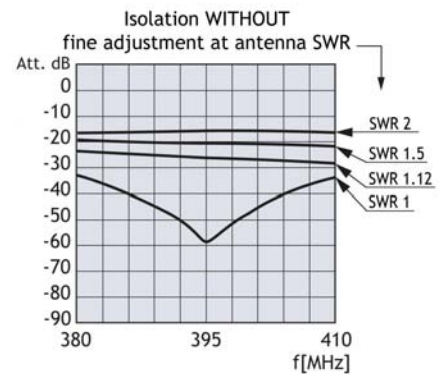


ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-PHY450-2/380-410/SWR	210000889

SPECIFICATIONS

ELECTRICAL	
MODEL	PRO-PHY450-2/380-410/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	3.0 dB
TOTAL LOSS INCL. SPLITTER LOSS /COUPLER LOSS	< 3.5 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)	210 x 182 (incl. connector) x 47 mm
WEIGH	785 g



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

19/09/11