

3-Channel Hybrid Ring Combiner for TETRA
Communication Radios

DESCRIPTION

- 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 45 W per channel.
- Very small ripple on the connectors over the total frequency range.

ORDERING

Model	Product No.
PRO-PHY450-3/380-410/SWR	210000885

SPECIFICATIONS

Electrical	
Model	PRO-PHY450-3/380-410/SWR
Filter Type	Hybrid Junction
Frequency	380 - 410 MHz
Max. Input Power	45 W per channel (max. 150 W with larger load)
Impedance	50 Ω
Input VSWR	< 1.5:1
Nominal Divider Loss	4.7 dB
Total Loss	< 5.5 dB
No. of Channels	3 - 3
Mechanical	
Connection(s)	N female (other on request)
Dimensions	400 x 182 (incl. conn.) x 42 mm
Weight	1.5 kg / 3.31 lb
Environmental	
Operating Temperature Range	-30°C to +60°C



ISOLATION RESPONSE

