

2-Channel Hybrid Ring Combiner for TETRA Communication Radios

DESCRIPTION

- Combiner for coupling of two TETRA transceivers on one common antenna.
- SWR adjustment network for optimization of VSWR in the frequency range of 380 to 410 MHz.
- High isolation achievable: Up to -50 dB in the centre frequency (dependant on the VSWR of the connected antenna).
- For parallel operation of two two-way communication radios (transceivers) where highest possible decoupling (isolation) is necessary. Via the adjustment network the VSWR of the antenna and consequently the isolation between the ports of the combiner can be clearly improved.
- The adjustment of the VSWR adjustment network takes place via built-in variable capacitors.
- Max. power 2 x 30 W.
- Very small ripple on the connectors over the total frequency range.



SPECIFICATIONS

Electrical	
Model	PRO-PHY450-2/380-410/SWR
Filter Type	Hybrid Junction
Frequency	380 - 410 MHz
Max. Input Power	30 W per channel (max. 100 W with larger load)
Impedance	50 Ω
Input VSWR	< 1.5:1
Nominal Divider Loss	3 dB
Total Loss	< 3.5 dB
No. of channels	2
Mechanical	
Connection(s)	N(f) (other on request)
Dimensions	210 x 182 (incl. connector) x 42 mm / 8.27 x 7.28 x 1.65 in.
Weight	Approx. 0.785 kg / 1.73 lb.
Environmental	
Operating temperature range	-30 °C to +60 °C

ORDERING

Model	Product No.
PRO-PHY450-2/380-410/VSWR	210000889

