

## TETRA combiner with SWR adaption/adjustment network

## DESCRIPTION

- Combiner for coupling of two TETRA mobile transceivers on one common antenna.
- Factory-adjusted to either 380 410 MHz or 400 430 MHz.
- Compact dimensions especially suitable for mobile applications.
- FME-connectors for direct connection of FME-cable without extra adapter.
- > For parallel operation of two two-way communication radios (transceivers) where highest possible decoupling (isolation) is necessary.
- Integrated SWR adjustment network for optimization of isolation in the frequency range of 380 - 410 MHz or 400 - 430 MHz. Via the adjustment network the effective SWR of the antenna can be optimized and consequently the isolation between the ports of the combiner clearly improved.
- High isolation obtainable: Up to 60 dB (Dependent on the SWR of the connected) antenna).
- > The adjustment of the SWR adjustment network takes place via built-in variable capacitors.
- Max. TETRA transmitter power 2 x 10 W.
- Also usable as equal power divider for max. 20 W.
- Very small ripple over the total frequency range.



Electrical		
Model	PHY-TETRA-2-FME	
Frequency	380 - 410 MHz or 400 - 430 MHz	
Impedance	50 Ω	
Nominal Divider Loss	3 dB	
VSWR	< 1.3:1	
Maximum Input Power	20 W	
No. Of Channels	2	

Mechanical	
Input Connection(s)	FME-connectors
Dimensions	$50.5 \times 66$ (including bottom plate and connectors) x 19.5 mm / 1.99 x 2.59 (including bottom plate and connectors) x 0.77"
Weight	0.08 kg / 0.18 lb
Mounting	4 mm dia. (4 holes)

Environmental	
Operating Temperature Range	-30°C to +60°C

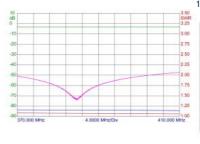
## **ORDERING**

Туре	Product No.
PHY-TETRA-2-FME-380-410	210001836
PHY-TETRA-2-FME-400-430	210001837

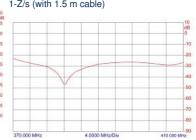


## **DIAGRAM**

TYPICAL RESPONSE CURVE SWR 1







TYPICAL RESPONSE CURVE ANTENNA MUMOUNTING DETAILS 3-BZ/TETRA/I (with 1.5 m cable)

