



PHY-TETRA-4-FME-...

TETRA combiner with SWR adaption/adjustment network

- Combiner for coupling of four 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.

DESCRIPTION

- For parallel operation of four 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 4 x 5 W.
- Also usable as equal power divider for max. 20 W.
- Very small ripple over the total frequency range.

ORDERING DESIGNATIONS

ТҮРЕ	PRODUCT NO.
PHY-TETRA-4-FME-380-410	210002057
PHY-TETRA-4-FME-400-430	210002058

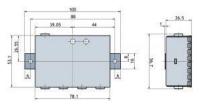
SPECIFICATIONS

ELECTRICAL	
MODEL	PHY-TETRA-4-FME
FREQUENCY	380 - 410 MHz or 400 - 430 MHz
MAX. INPUT POWER (TETRA)	1 x 20 W if used as divider 4 x 5 W if used as coupler -
NOMINAL DIVIDER LOSS	6.0 dB
TOTAL LOSS INCL. SPLITTER LOSS /COUPLER LOSS	≤ 7.0 dB
IMPEDANCE	Nom. 50 Ω
SWR	
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTOR TYPE	FME-connectors
DIMENSIONS (L x W x H)	56.7 x 100 (including bottom plate and connectors) x 22 mm / 2.23 x 3.94 (including bottom plate and connectors) x 0.87 in.

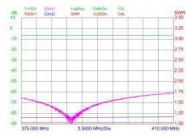


WEIGHT	Approx. 140 g / 0.31 lb.
MOUNTING	ø4 mm (two holes)

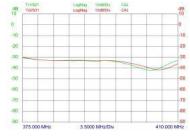
MOUNTING DETAILS



TYPICAL RESPONSE CURVE SWR 1



TYPICAL RESPONSE CURVE ANTENNA MU 1-Z/s (with 1.5 m cable)



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

