



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

TYPE	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.



