



## TETRA Combiners

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Model  
TETRA-2U  
TETRA-4U

Short description  
2-channel low loss combiner  
4-channel low loss combiner

Band, MHz  
400-430  
400-430

2009



## 300-360, 400-490 MHz Low-loss transmitter combiners TETRA-A, TETRA-U

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TETRA-2U



TETRA-4U



### Electrical specifications

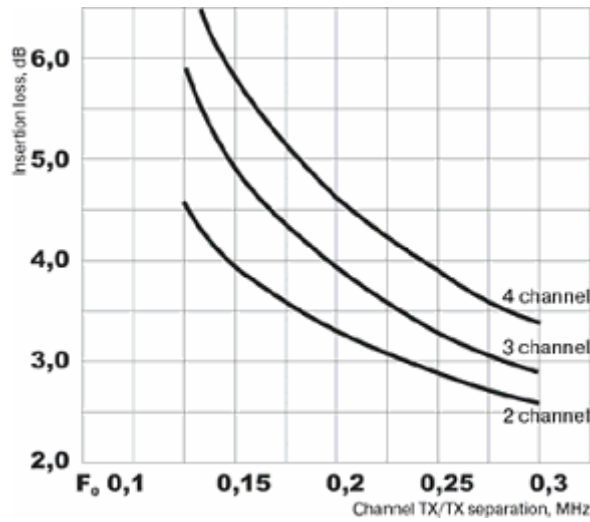
Model	TETRA-4A	TETRA-8A	TETRA-2U	TETRA-4U	TETRA-8U
Operating frequency band, MHz	300-360	300-360	400-490	400-490	400-490
Impedance, Ohm			50		
Number of channels	4	8	2	4	8
Min. space TX/TX, kHz			125		
Insertion loss @ dB@300kHz, dB	3	4.5	2.6	3.4	4.5
Input power, W			50		
Cavity electrical length			1/4λ		
Isolation TX-TX not less, dB			75		
VSWR			not more than 1,3		
Temperature Range			30°C to +60°C		

### Mechanical specifications

Model	TETRA-4A	TETRA-8A	TETRA-2U	TETRA-4U	TETRA-8U
Weight, kg	15.7	31.9	8	15.2	30.7
Connector			N-female		
Length/Width/Depth, sm	51x49x36	51x49x72	51x49x18	51x49x36	51x49x72

Taking into account the enhanced demand for 4 and 8 channel trunking systems a combiner has been worked out on the basis of four-resonator monoblock that is mounted at 19" stand. This has allowed to optimize the ratio volume/Q-factor for 19-inch construction solution. The combiners TETRA-A (at 300-360 MHz) and TETRA-U (at 400-490 MHz) represent a good solution for constructing base stations of the same name standard.

Dependance of loss on frequency separation TX-TX for TETRA-A and TETRA-U low loss transmitters combinets



Low loss transmitter combiner TETRA-4A electric diagram

