



Combiners LB

107497, Moscow Chernicinsky pr-d 7/1
Tel.: (495) 775-43-19, 462-44-14
Tel./fax: 462-44-14
E-mail: radial@radial.ru
www.radial.ru

Model

CL8-3(2)LB(L)-150
CL8-3(2)LB(H)-150

Short description

3-cannel Low-loss transmitter combiner, sep. 0,4, input power 150 W
3-cannel Low-loss transmitter combiner, sep. 0,4, input power 150 W

Band, MHz

30-40
38-48

2009



30-48 MHz Low-loss transmitter combiner CL8-3(2)LB-150

107497, Moscow Chernicinsky pr-d 7/1
Tel.: (495) 775-43-19, 462-44-14
Tel./fax: 462-44-14
E-mail: radial@radial.ru
www.radial.ru



Electrical specifications

Model	CL8-3(2)LB(L)-150	CL8-3(2)LB(H)-150
Operating frequency band, MHz	30-40	38-48
Insertion loss @ min. space, dB		1.5-2
Min. space TX/TX, kHz		400
Impedance, Ohm		50
Isolation TX-TX not less, dB		40
VSWR, not more than		1,5
Input power, W		not more than 150
Temperature range, °C		-30 to +60
Cavity electrical length		1/4λ

Mechanical specifications

Model	CL8-3(2)LB(L)-150	CL8-3(2)LB(H)-150
Diameter of cavity, mm (ins.)		200x200 (8"x8")
Weight without rack, kg	130	101.6
Connector		N-female
Mount to 19-inch rack		yes

Due to the appearance at the market of new radio stations of the range LB many enterprises having at their disposal this unique frequency range are currently reviving the systems of mobile communications. The increase in the amount of radio stations at supervisory consoles has demanded more professional approach to the construction of antenna-feeder systems and application of this combiner. The coaxial resonators of enhanced quality-factor(Q-factor) of diameter 8" have been successfully applied by us in a new model of CL8-3(2)LB-150 combiner which has allowed providing the operation of three simplex radio stations for one antenna. The minimum frequency separation between the channels has made up 400 KHz and the isolation - nor less than 40 dB. The application of this combiner jointly with a new wideband antenna of the type GPW-1LB gives the possibility to add the significantly separated simplex frequencies.

Low loss transmitter combiner CL8-3(2)LB-150

