

RETURN PATH BALANCER PLB

- INDEPENDENT CONTROL OF RETURN AND FORWARD CHANNELS.
- METAL CASE.
- «F»-CONNECTORS.



Return path balancer is used in the interactive cable distribution broadcast networks and intended for independent radio signal level control of return and forward channels.

Structure schematic of the balancer is shown in the figure.

Signal RC+FC enters to the device input, where with help of the diplexer RC/FC is divided to RC and FC. Further, these signals are controlled independently each other by variable attenuators with control depth 20 dB. After attenuators, signals are sum at the common output with help of the input diplexer analogue.

Due to high isolation between channels in the diplexer, RC and FC level control in the balancer is made absolute independently.

SPECIFICATION

Type	PLB-30	PLB-42	PLB-55	PLB-65
Return path frequency range, MHz	5...30	5...42	5...55	5...65
Forward path frequency range, MHz	48...862	58...862	75...862	87...862
Insertion loss at the minimum return path attenuation, dB				0,8
Insertion loss at the minimum forward path attenuation, dB				1,2
Control depth, dB				20
Level deviation at 0-10/10-20 dB attenuation range, dB, or less				1,0/1,5
Return loss, dB, or better				16
Dimension, mm				81x50x37

STRUCTURE SCHEMATIC

