
BAND PASS FILTER

LDF-5/B2

The BAND PASS FILTER LDF-5/B2 is intended for limitation the measuring frequency range of PD pulses in order to reduce the disturbing influence of external noises, such as radio interference voltages (RIV).

For installation of the LDF-5/B2 in the PD measuring circuit according to IEC 60270 the BNC input jack "LDM-5" has to be connected to the measuring impedance LDM-5 and the output jack "LDD-5" to the PD detector LDD-5, respectively. The total length of the both connecting BNC cables (50-Ohm) should not exceed 20 m. The optimum measuring frequency range given in the specification can be selected within 5 steps by the switch "FREQUENCY".

The device is ready for operation after the power switch is set to the position "ON". Under this condition only the green LED "PW" should illuminate. If additionally the red LED "LOW" lights up then the powering battery becomes weak. It has to be replaced immediately if the green LED "PW" distinguishes and only the red LED "LOW" illuminates.

Attention! Never connect the BNC input jack "LDM-5" of the LDF-5/B2 directly to the coupling capacitor of the PD measuring circuit, because it is not equipped with any overvoltage protection unit. Otherwise the device may be damaged in case of an unexpected breakdown of the test object.

Specification

Bandwidth (- 6 dB)

Position of the "FREQUENCY" switch:	1	60 - 600 kHz
	2	50 - 500 kHz
	3	40 - 350 kHz
	4	70 - 320 kHz
	5	50 - 190 kHz
	6	only for functional check

Powering voltage: 6 x LR6

Current consumption: 35 mA approx.