DRM – Miniature Mixer Unit with crystal option

Universal downmixer unit from 455 KHz or 10.7 MHz to 12 KHz (input of a PC-soundcard), designed for modification of existing AM-broadcast receivers to be able of DRM-receiving by use of the Softwareradio from Frauenhofer Institut für Integrierte Schaltungen and other decodersoftware. Dimensions of the board 20x20x6.5mm; oscillatorfrequenzy eligible 467KHz; 443KHz or 10.712 MHz. Power supply 7 to 20V. Current consumption < 6 mA. Optional crystal 467 oder 443 KHz instead of LC; then 8.5mm high. At 10.712 MHz only crystal operation. Recommended value of output signal voltage: 25 to 50 mV r.m.s, not more than 100 mV r.m.s (DRM-Signal), mixer gain adjustable. Input Impedance 2 to 4.5 KOhms depended on adjusted mixer gain.

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