

These thick film ICs are a semi-custom products and then made widely commercial by Murata, they are used to simplify the construction of telecommunication RTX devices. Each of these components do a particular function with more repeatability and reliability than discrete components with the minimum waste of space.

| for Telecommunications and Audio | cod. | price € each |
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| high pass filters respectively 300-350-400Hz at -3dB, they have the purpose to eliminate low frequency components eg. 50 or 100Hz before the audio amplification on a speaker. They are used also on VHF - UHF transceivers to eliminate the sub-audio tone. | AFH 24F 300B1 | 7,00 |
| | AFH 24F 350B1 | 7,50 |
| | AFH 24F 400B1 | 7,50 |
| low pass filter 3500Hz at -3dB, slope 24dB/octave, 18x11mm, +12V | AFL 24F 3500A2 | 10,00 |
| low pass filter 3500Hz at -3dB, slope 13dB/octave, 16x11mm, +12V | AFL 13F 3500B1 | 8,50 |
| IF amplifier for 455 KHz with FM limiter and RF output for field meter | H8D 1152 E | 6,00 |
| IF amplifier for 455 KHz with FM limiter and RF output for field meter | H8D 1216 | 6,00 |
| IF amplifier eg. 10.7 MHz with 2 nd conversion mixer and crystal oscillator | H8D 1217 | 5,00 |
| squelch circuit, it is made of a double noise amplifier, rectifier and switch | H8D 1218 | 9,00 |
| microphone amplifier + audio limiter stage (clipper and splatter limiter) | H8D 1219 | 9,00 |
| | H8D 1222 | on request |
| sub-audio tones encoder / decoder, it is supplied without the RC circuit that determine the operating frequency | H8D 1223 | 5,50 |
| 300 Hz low pass filter and limiter for sub-audio signals filtering before the decoding | H8D 1224 | 9,00 |
| microphone amplifier + limiter stage for FM AM SSB modulators (clipper and splatter limiter) | H8D 1412 | 9,00 |
| 0.6 W audio amplifier, 2.7 to 5.5 V power supply with shut-down command (squelch), SO8 SMD case | LM 4862 MX | Min 3 pz 0,90 cad 10+ pcs 0,80 30+ pcs 0,70 |
| very good Plessey 60dB audio amplifier, with mute and logarithmic regulation of amplification, it is often used on military professional RX | SL 630C | 3,80 |

CML and AMI Integrated circuits for SCRAMBLERS , encoder - decoder for subtones , FSK , selective calls

| | cod. | price € each |
|--|------------------------------------|-----------------|
| SCRAMBLER improved version of the obsolete FX118, it is a band inverter for audio scramblers, full duplex it can be used in TX and RX simultaneously, 16 pins DIL plastic case, it is connected between the microphone and the TX and the audio output in RX, it is usable also in SSB receivers to invert the audio band from USB to LSB and viceversa | FX 128 P3 (FX118) cml | on request |
| selective tones decoder with small S/N ratio up to -9dB, built in VCO and PLL, frequency, delay and bandwidth can be set up, decoding time 10 signal periods | FX 101L cml | on request |
| | FX 105 cml | |
| respectively encoder + decoder multi tone sequential | FX 207 cml | on request |
| | FX 307 cml | |
| CTCSS, sub audio encoder decoder compatible with serial or parallel μ P + audio filters etc... | FX 365 J cml | on request |
| | FX 403 | |
| full duplex FFSK modem at 1.200 Baud, 900 - 2.100 Hz inserted band pass filter | FX 419 J cml | on request |
| selective call encoder, it is programmable up to 16 sequential tones, TX delay, auto repeat, etc... +5V, "C" = CCIR standard | FX 503 C cml | on request |
| PLL decoder with 512 selections for tones decoding | S 2742 ami | on request |
| DIL, this PLL is often used as tone demodulator - FSK etc... 0.01Hz - 300 KHz band | XR 2211 CP | 3,00 |