

EXTERNAL IF crystal filter

FQI-28



This filter is designed for outstanding decrease of sideband noise of IF transceiver used to excite VHF and UHF transverters. By suppressing the sideband noise by this filter we can decrease interference of surrounding stations by more than 3 S!

Filter sensationally increases IP of basic transverter's receiver in the area of filter suppression by more than 20 dBm. With the filter in use you will interfere less and you will be interfered less. Filter achieves the best results in combination with the K3 transceiver from Electcrafts company.

Technically Specifications:

Number of filters:	13
Number of poles of crystal filters:	8
Nominal centre frequency:	Band from 28,025 to 28,385 MHz with the step 30 kHz
Bandwidth between 3 dB frequencies:	$\geq \pm 15$ kHz
Ripple at $f_{nom} \pm 10$ kHz:	$\geq 1,5$ dB (typ. 0,5 dB)
Stop band $f_{nom} \pm 35$ kHz:	≥ 60 dB
$f_{nom} \pm 50$ kHz:	≥ 80 dB
Maximal input power:	1,5 dBm
Input/Output impedance:	50 ohm
Attenuation in Bandwidth 30 kHz:	3,5 dB
Supply voltage:	12...15 VDC
Current consumption:	0,5 A
Indication:	3,5" LCD display
Control:	Rotary encoder
Dimension:	Dimension:
RF signals connectors:	4 x BNC female
PTT:	Cinch female

