

VHF Band Pass Cavity Filter

118÷156 MHz, Adjustable Loop

T05110432/18/28

Electrical Specifications

Frequency Band (MHz)	118 ÷ 156
Insertion Loss with adjustable loop (dB)	0.5 ÷ 2
Return Loss (dB)	≥ 18
Max continuous Power (W)	< 200
Impedance (Ω)	50
Op. temp. range (°C)	- 10 ÷ 55

Mechanical Specifications

Input Connector	Nf
Output Connector	Nf
Options	Mounting on rack standard 19"
Tuning Control	With internal mechanism to minimize overall sizes

DESCRIPTION:

High power single cavity filter with the best trade-off between Attenuation and Insertion Loss. On site re-tuning could not be easier: by moving the two adjustable loops, the operator regulates directly the Input/Output Return Loss / Attenuation of the filter without any impact on the pre-selected frequency. Also unskilled personnel can hence easily fine-tune filters directly on site. Further, tuning mechanism is internal and therefore filter's depth remains fixed when changing tuned frequency. Three different cavity sizes [108/150/210 mm sections] are available to achieve the level of selectivity desired. All units are suitable to be mounted on standard 19" racks respectively of 3U, 4U, and 5U height. Interesting feature, is the possibility offered by the smallest cavities to fit up to four filters in a standard 19" rack. Front panels and racks are available as optional.



Part Number	Selectivity @ ± 500 KHz with 1dB insertion loss at mid band dB	Dimension (mm)	Weight (kg)
T05110432	≥ 10	108 x 108 x 519	3,5
T05110418	≥ 12	150 x 150 x 620	5
T05110428	≥ 16	210 x 210 x 660	6