



VHF BAND PASS SINGLE CAVITY FILTER

118 ÷ 156 MHz, Adjustable Loop

T05110418

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POLOMARCONI offers a very wide range of wireless products. Our products can be tailored according to the customer's need.

ATC

Electrical Specifications

Frequency Band (MHz)	118 ÷ 156	
Impedance (Ω)	阻抗	50
Return Loss (dB)	反向功率损耗	≥ 15
Insertion Loss (dB) with adjustable loops	插入损耗	$0.5 \div 2$
选择性		
Selectivity (dB)	$f_0 \pm 0.5\% f_0$	≥ 14
with 1 dB Insertion Loss	$f_0 \pm 1\% f_0$	≥ 20
	$f_0 \pm 2\% f_0$	≥ 26
Electrical Safety	IEC 60950-1 EN 60950-1	
EMC	ETSI EN 301 489-1 489-22	
Max Continuous Power (W)	< 200	

Mechanical Specifications

RF Connectors	Nf	
Tuning Control	with internal mechanism	
Color	RAL 9011	
Dimensions (mm)	150 x 150 x 522	
Weight (kg)	4.75	
Operating Environment	ETS 300 019-1-2 ETS 300 019-2-3 Class 3.1E	
Extended Temp. Range ($^{\circ}\text{C}$)	$-10 \div +55$	
Transportation and Handling	ETS 300 019-2-2 Class 2.2	

DESCRIPTION:

High power single cavity filter with the best performances in Attenuation and Insertion Loss.

On site re-tuning by moving the two adjustable loops: Input/Output Return Loss and Selectivity / Attenuation of the filter are re-adjustable without any impact on the pre-selected working frequency. Filter's dimensions remain fixed while changing tuned frequency.

Three different cavity sizes [108/150/210 mm sections] are available to achieve the level of requested selectivity.

All units are suitable to be mounted on standard 19" racks respectively of 3U, 4U, and 5U height.

Front panels and racks are available as optional.

