



UHF BAND PASS DOUBLE CAVITY FILTER

225 ÷ 400 MHz, 150 mm

T05120621

POLOMARCONI.IT

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) 225 ÷ 400

Impedance (Ω) 50

Return Loss (dB) ≥ 15

Power Handling (W) CW ≤ 100
PEP 200
(@50W AM with 95% Index Modulation)

Insertion Loss with adjustable loop (dB) 1 ÷ 3

Selectivity (dB) $f_0 \pm 1\% f_0 \geq 45$
with 2 dB Insertion Loss $f_0 \pm 2\% f_0 \geq 60$

Extended Temp. Range ($^{\circ}\text{C}$) -10 ÷ +55

Operating Environment ETS 300 019-1-2
ETS 300 019-2-3
Class 3.1E

Electrical Safety IEC 60950-1
EN 60950-1

EMC ETSI EN 301
489-1
489-22

DESCRIPTION:

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

On site re-tuning by moving the 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.



Mechanical Specifications

RF Connectors Nf

Dimensions (mm) 4U x 19" x 522

Weight (kg) < 9

Colour RAL 9011

Tuning Control with internal mechanism