



Bandpass Cavity

BPC251.206



Bandpass filter BPC251.206 is one quarter wavelength cavity resonator. This filter can be used a preselector to protect a receiver, or it can be used to reduce spurious output from a transmitter, or can be used in special duplexers.

Bandpass filter BPC251.206 is construed of hardened aluminium, the surface is passivated with a chromate coating. The resonator sheat is manufactured from the aluminium alloy, the internal conductor consists of brass cylinder with polished and silver-coated surface. The tuning element is manufactured from the Invar (NILO36 alloy). An Invar rod, with nearly zero expansion, assures frequency stability over a wide temperature range.

The connectors with Optargen-surface reduce intermodulation products.

ELECTRICAL PARAMETERS

Frequency range [MHz]	220 - 300
Insertion loss [dB]	0,5 - 3, tunable
VSWR	<1.5
Impedance [Ohm]	50
Max. Input power [W]	<250
Temperatur range [°C]	-30.....+60
Effect of temperature [kHz/°C]	<0.6

MECHANICAL PARAMETERS

Connection	N female
Material	Outer conductor: Aluminium
	Inner conductor: Brass, silver/plated
	Tuning rod: NILO36 Alloy
Weight [kg]	5.1
Dimension [wxh]	206 x 640

