

BPF 47G/2

Band-Pass Filter for the 47 GHz Band

DESCRIPTION:

- ★ 2-resonator, cavity filter.
- ★ Low insertion loss.
- ★ High image rejection in 47 GHz heterodyne systems.
- ★ Rugged brass housing ensures reliable function and long life time.
- ★ Waveguide flange connection.



SPECIFICATIONS:

ELECTRICAL	
MODEL	BPF 47G/2
FILTER TYPE	Cavity filter
CENTRE FREQUENCY	47.088 GHz
MAX. INPUT POWER	10 watts
PASS RANGE WIDTH	Approx. 50 MHz
INSERTION LOSS	≤ 1.5 dB typ.
REJECTION $f_o - 144$ MHz	Approx. 30 dB
REJECTION $f_o - 288$ MHz	Approx. 50 dB
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
CONNECTION	Fits PROCOM waveguide PRO-47-006
DIMENSIONS (L x W x H)	20 x 20 x 26 mm incl. adj. screws.
WEIGHT	Approx. 70 g

