Band-pass Filter for 370 - 400 MHz

DESCRIPTION

- The BPID 370-400/5-N is a 5-cavity interdigital filter designed to operate at TETRA frequencies.
- The interdigital principles ensure that ripple and insertion loss figures are kept very low over the wide pass band, and heavy attenuation outside the pass band are realized.
- The filter is capable of operating continuously at a power level of 200 W.
- Construction and choice of materials have been carried out to ensure that electrical charactertistics are maintained over a long life-span despite the influence of environmental factors such as corrosion, temperature, humidity, shock and vibration.
- The assembly is end-treated with a black, 2-component polyurethane coating.

SPECIFICATIONS

Electrical	
Model	BPID 370 - 400/5-N
Filter Type	Interdigital band-pass filter
Frequency	TETRA 370 - 400 MHz
Max. Input Power	200 W
Insertion Loss	0.3 dB (Typ. 0.25 dB)
Impedance	50 Ω
Rejection 345 MHz / 425 MHz	> 30 dB / > 30 dB
Reject Attenuation	490 - 960 MHz: > 70 dB
VSWR	≤ 1.25:1

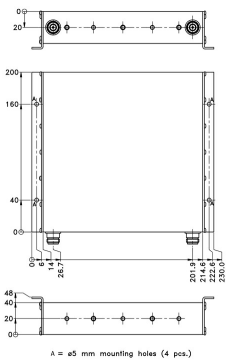
Mechanical	
Connection(s)	N(f)
Dimensions	200 x 230 x 48 mm / 7.87 x 9.05 x 1.89 in 235 x 230 x 48 mm (Incl. connectors and trimming screws) / 9.25 x 9.05 x 1.89 in
Weight	Approx.1.7 kg / 3.75 lb.

Environmental	
Operating Temperature Range	-30°C to +60°C

ORDERING

Model	Product No.
BPID 370 - 400/5-N	200001134

MOUNTING DETAILS



TYPICAL VSWR & INSERTION LOSS CURVES