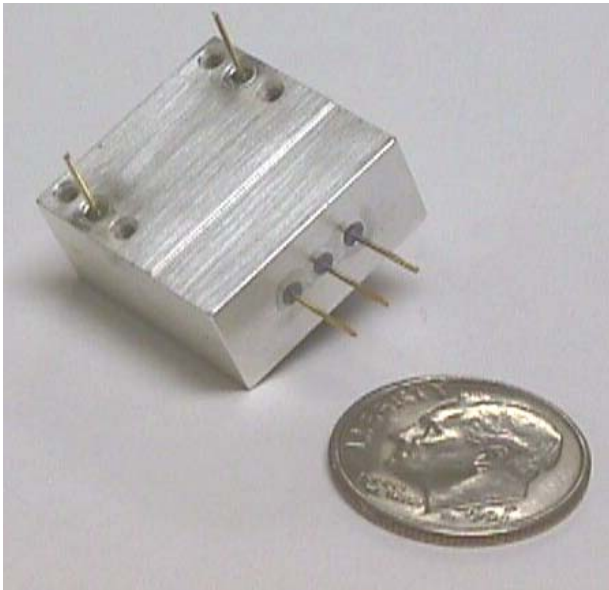


Switched Filter Bank

Miniature 2 Channel Filter Bank 150 MHz Crossover



Description

Spectrum Microwave's 310-020003-001 Filter banks provide 2 selectable filtered channels in a very small package.

Two channels are provided in this Compact Package along with a Voltage Regulator and 2 High-Intercept SPDT RF switches. Channel 1 provides Low-pass Filter response with a 1 dB cut off frequency of 155 MHz. Channel 2 provides a High-pass response with a 1 dB cutoff of 145 MHz.

CH1 rejects undesired signals by 40 dB from 450 -550 MHz and 60 dB from 500 -1000 MHz.
 CH2 rejects undesired signals by 40 dB from 90 to 110 MHz and 60 dB from DC to 90 MHz.

A control pin provides TTL selection of the desired operating band. The unit design is also bi-directional.

Dimensions and Connections

0.75" L x 0.75" W x 0.380" H excluding RF-Pins

Chassis is machined aluminum with a silver plate finish. RF pins are .020" diameter. Control pins are .018" diameter.

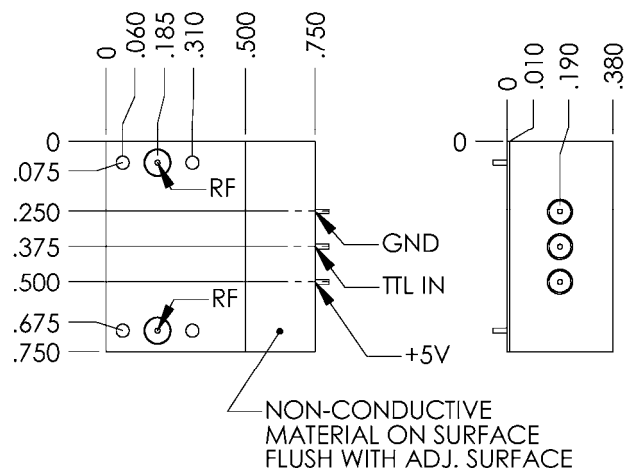
Features

- Small Physical Package: 0.21" Sq.
- PC Board Mount RF Interface
- High Speed < 150 nsec
- Low Insertion Loss
- 60 dB Isolation

Typical Specifications

Frequency	80 – 155 MHz (CH1) 145 - 500 MHz (CH2)
Switching-Speed	136 nsec ON 66 nsec OFF
1 dB Comp	29 dBm
IP2	72 dBm
IP3	45 dBm
VSWR	1.5:1
Insertion Loss	1 dB
Switching Type	TTL
DC Power	5V @ 1 mA
Temp Range	-40°C to +85°C

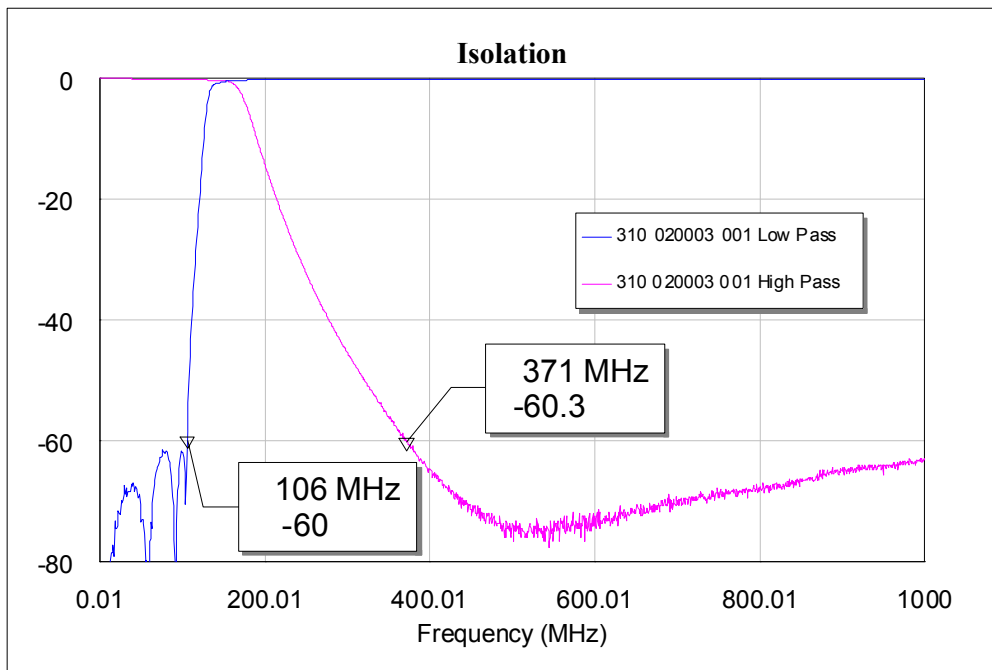
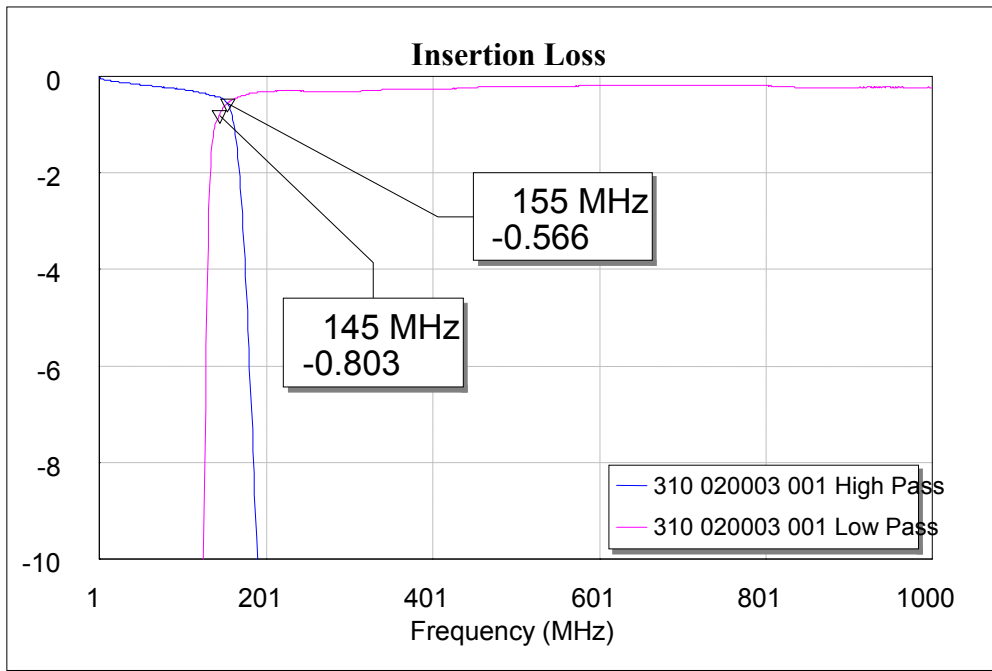
All specifications above measured at 25°C



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S-Parameters for this model are available for download on our website.