


Filters for C-Band Microwave


3.7-4.2 GHz Tunable Notch Filters



5501
Single Notch

Insert in LNA-Downconverter Cable

Tunable 3.7-4.2 GHz
Type N (Female) Connectors
AC/DC Passing
Channel Calibrated

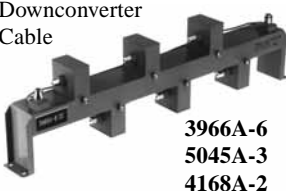


5531 Double Notch

Dial is marked with channel numbers and the 24 potential TI carriers. Identifies and suppresses TI carriers before there is any conversion. The 5531 suppresses two carriers, or produces a single 30 dB notch. Notches are identical to those of fixed multiple notch filters (below). Mount these permanently before the downconverter or use them diagnostically to specify the frequencies of a multiple notch filter.

Notch Loss: 20 dB Typical
3 dB Bandwidth: 4.5 MHz Typical


Multiple Notch Filters



Insert in LNA-Downconverter Cable

3966A-6
5045A-3
4168A-2

Notch Loss: 15 dB
3 dB Bandwidth
Approx. 5 MHz Typical
AC/DC Passing
Type N Connectors, 50 Ohms



Insert Between Feedhorn and LNB

3966ALNA-6
5045ALNA-3
4168ALNA-2

CPR-229
Flanges

Suppression (dB)	Resonators Per Carrier	Series Number
15	One	3966A-** or 3966ALNA-**
30	Two	5045A-** or 5045ALNA-**
40	Three	4168A-** or 4168ALNA-**
**Add the Number of TI Carriers To Be Suppressed		

Available with up to 6 resonators, each notching 15 dB. 1, 2 or 3 notches are synch tuned to produce 15 dB, 30 dB or 40 dB notches as shown in the model table above.


Tunable Preselector



5693

The two independent tuning dials are channel calibrated. Set both dials to the desired channel to pass that channel only. The unit is AC/DC passing with type N, 50 ohm connectors. Tuned 3 dB bandwidth is approximately 25 MHz with 20 dB discrimination at approximately ± 40 MHz.

Bandpass Filters




4352 For LNA Systems

N Connector
AC/DC Passing


Insert in LNA converter cable to suppress out-of-band interference: common carrier frequencies at 2 GHz, 6 GHz and other frequencies. Loss 3.7-4.2 GHz less than 1 dB. .25 dB minimum suppression 3.4 GHz & Below 4.4 GHz & Above

SINGLE TRANSPONDER BANDPASS FILTERS



3740W-*
CPR-229
Flanges

*Add Transponder Number



3740C-*
AC/DC Passing
N Connectors
50 Ohms

Availability: Any transponder 1-24
3 dB Bandwidth: 30 MHz
25 dB Rejection: ± 30 MHz (from Fo)
Mid-Channel Loss: 1 dB Maximum