Planar Monolithics Industries, Inc.
Switch Filter Banks up to 50 GHz

PMI offers a variety of standard and customizable Switch Filter Bank designs that operate over the DC to 50 GHz frequency range. These products are ideal for applications where low cost, package density and high performance are requirements. Our filter design capabilities include:

- Integrated TTL driver circuitry.
- Solid-state High Speed Switching.
- Multi-channel configurations
- Micro-miniature & Ultra-compact designs.
- Customizable Input Power & Filter Passband frequencies.
- Specialized Testing & Custom configurations welcome!

**Standard Models...**

**16SFB10G-16G-CD-SFF**
16 Channel Switch Filter Bank
- Frequency Range: 2 to 18.0 GHz
- 1 GHz Passbands
- +30 dBm Input power rating
- Insertion Loss: 7.0 dB (CH 1-6) 13.5 dB (CH 7-16)
- Isolation: 60 dB minimum
- Amplitude Match: ±1.5 dB
- Integral TTL driver and offers fast switching speeds of less than 250 ns.
- Filters easily customizable to meet any other requirements.

**4SFB-2G18G-CD-SFF**
4 Channel Switch Filter Bank
- Frequency Range: 2 to 18 GHz
- Power Rating: +27 dBm CW maximum
- Harmonics: -65 dBc minimum, relative to RF Out, tested with +27 dBm @RF In
- Insertion Loss: 7.0 dB
- Isolation: 60 dB minimum
- Filter channels are centered at 2.75, 4.75, 8.2 and 14.2 GHz, 55% BW
- Integral TTL driver and offers fast switching speeds of less than 300 ns.

**Package Size:**
- 16SFB10G-16G-CD-SFF: 8.6"L x 6.0"W x 0.9"H
- 4SFB-2G18G-CD-SFF: 3.0"L x 2.6"W x 0.75"H

**DC Voltage:**
- 16SFB10G-16G-CD-SFF: +5 V @ 1500 mA, -15 V @ 260 mA
- 4SFB-2G18G-CD-SFF: +5 V @ 81 mA, -15 V @ 72 mA

**ISO9001-2008 REGISTERED**