

GPS/GNSS/ LEO



ANT / LNA modules

Today's Precise Positioning Systems can deliver location information with centimeter accuracy. MCV provides custom-designed precision ANT/LNA modules, as well as standard band pass and notch filters operating at GPS, GLONASS, BDS, GALILEO, QZSS, and NAVIC/IRNSS frequencies.



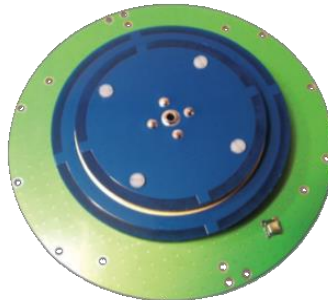
Choke-Ring Antenna

1166 – 1300 MHz / 1525 – 1610 MHz
 40 dB gain typical
 < 2 dB noise figure
 Port VSWR < 2.0:1
 RHCP



GNSS Professional
Survey Antenna

calibrated to IGS14
phase center
corrections



OEM embedded
GNSS Antenna

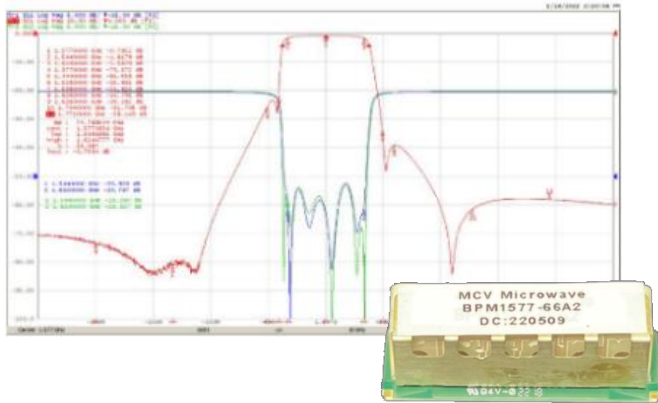
Quad-feed
configuration &
compact



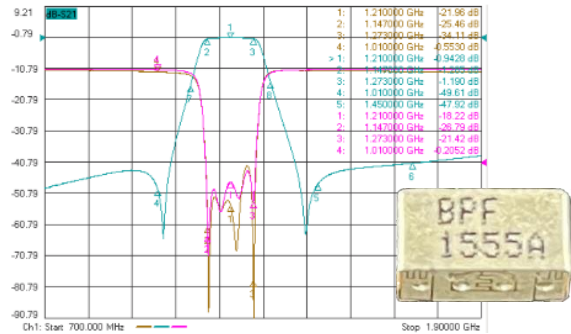
Handheld L1/L2
Antenna

FILTERS and DUPLEXERS

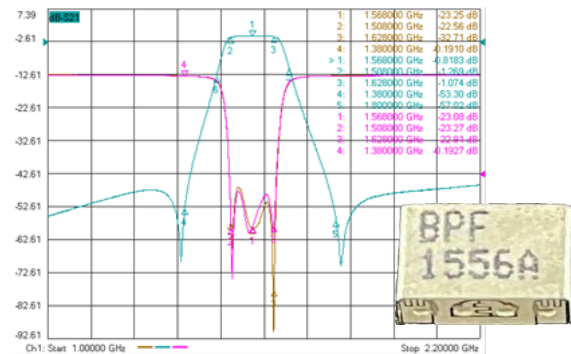
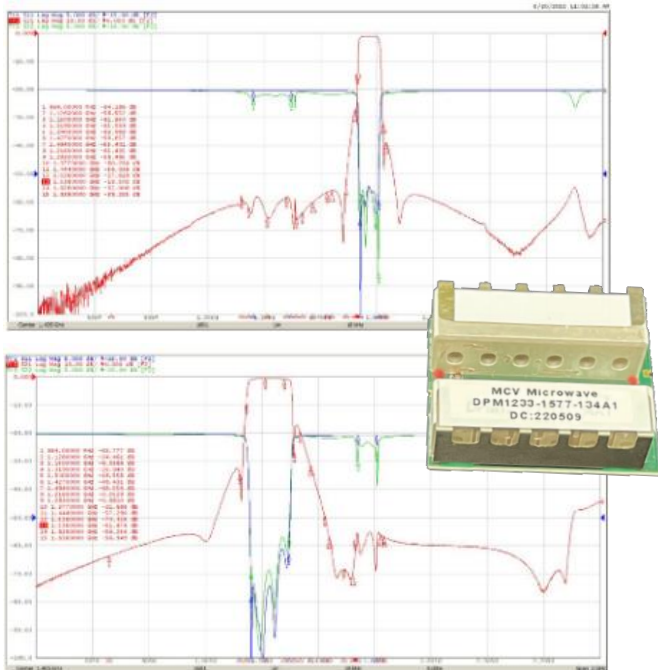
L1 bandpass ceramic monoblock filter



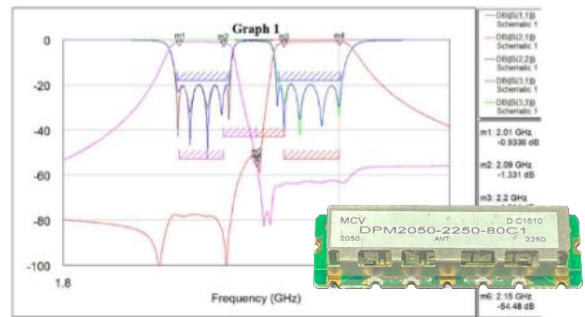
GPS bandpass filters



L1/L2/L5 ceramic monoblock duplexer



Monoblock duplexer for L-band LEO satellite applications



MCV Microwave has been a leader in ceramic filters and resonators since 2000. Headquartered in Laurel, Delaware and AS9100D certified, MCV Microwave supplies many Fortune 500 companies in commercial wireless and high reliability aerospace and defense markets. Its proprietary high Q dielectric ceramic materials deliver the highest performance for TE mode dielectric resonators in the industry. MCV Microwave leads in providing one of the smallest footprint and low-profile filters suitable for space flight applications.