X-Band LEO (Low Earth Orbit) Band Receive Filter
Model 19631

This bandpass filter is used for special receive applications in the LEO (Low Earth Orbit) satellite X-band (e.g. – Weather Satellite Monitoring) and provides excellent rejection of undesired transmissions between 9.5 – 15.0 GHz (e.g. – Radar, Ku-band Uplink).

Specifications:
- Passband: 7.75 – 8.40 GHz
- Passband Insertion Loss: 0.2 dB Approx
- Passband VSWR: 1.25:1 Max
- Passband Delay Variation: 0.5 nS Max
- Rejection: 45 dB Typ @ 7.00 GHz
  - 50 dB Min from 9.50 – 10.70 GHz
  - 75 dB Typ from 10.70 – 15.00 GHz
- Flanges: CPR112G (Grooved) – Input
  - CPR112F (Flat) - Output
- Dimensions: 2.50" x 2.50" x 1.75"
  - (64mm x 64mm x 44mm)
- Finish: Flat Black Lacquer