

## KH-221 5GHz Filter product Specifications

### C band two polarization dual output LNBF -build in 5G elimination filter

Input Frequency (GHz)	3.7 - 4.2 GHz
L.O. Frequency (GHz)	5.15GHz
Noise Figure	20° K (Min.), 30° K (Max.), 25° K (Type)
Conversion Gain (Room Temp.)	60 dB (min.) / 65 dB (max.)
Gain Flatness	±0.5 dB / 26 MHz
Gain Variation	5dB / Full Band
L.O. Frequency Stability	±250KHz (max.) @ +25 °C ±350KHz (max.) @ -40 °C ~ +60 °C
L.O. Phase Noise	-60 dBc/Hz @ 1 KHz -80 dBc/Hz @ 10 KHz
Image Rejection	45 dB(min.)
P1 dB Compression Point	3 dBm (min.)
Ipput VSWR	2.5 : 1 (max.)
Output VSWR	2.0 : 1 (max.)
Rejection 5G	55dB(max.)
5G input level	-35dBm (max.)
Output Connector	75 Ohm F-Type Female
Cross Polarization Isolation	23dB (min.)
DC Current Consumption	240mA (max.)
DC Voltage Supply	11.5 ~ 20.0 V @ VP 11.5 ~ 20.0 V @ HP
L.O. Leakage Input Port	-45dBm(max.)
Operating Temperature	-40 °C ~ +70 °C
Storage Temperature	-40°C to+80°C
Relative Humidity	0%-95%
Polarization Type (cast ±45° scale)	Linear
Construction	Aluminum
ScalarType	Flat-Prime Focus, 3Ring
F/D with included Flat Scalar	0.32-0.47+(cast scale)
Mount Type with Flat Scalar	Single pole,Tripod or Quad legs

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KH-221 is designed for 5G communication interference suppression, a c-band horizontal/vertical polarization output under the integration of frequency converter, respectively Products built three high precision filter, three low noise amplifier, high stability of the local oscillator circuit phase-locked loop. Can respond 5 G to below - 35 dBm . Low prices affordable, suitable for satellite modulator cabinet front end.



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