

## EC120-B : C120 Feedhorn New Design

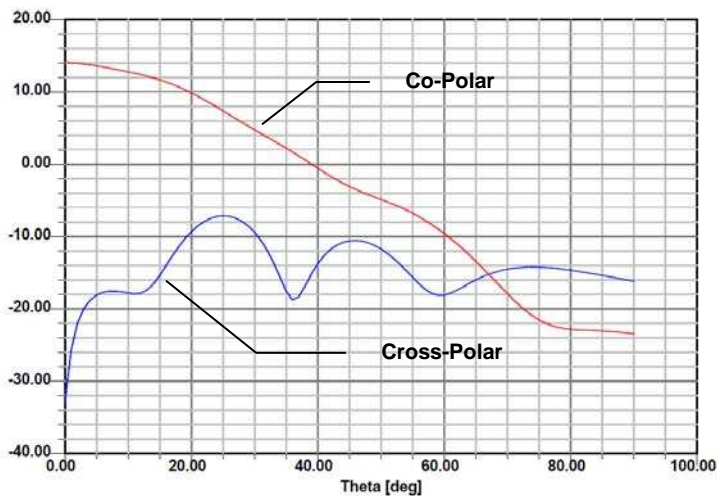
High efficiency feed designed to improve cross-polarization performances and reduce spill-over effects.

Thanks to due considerable reduction of spill-over, the antenna noise performances (i.e. the G/T parameter) are significantly improved.



### EC120-B Specifications

Operation Bandwidth	10.5 GHz ÷ 14.5 GHz	
Illumination aperture	67 °	-10 dB taper
Directivity	> 14dBi	@ f <sub>0</sub> = 12 GHz
Cross-Polar level	< - 35 dBc	Average on full illumination range
Spill-over losses	< 0.3 dB	Typ. for offset antenna with F/D 0.67
Waveguide Input Return Loss	< - 22dB	
Input interface	Circular WG / C120 flange	
Feed Holder diameter	28 mm	40 mm / 28 mm adapter included
Material	Aluminium cast	Zinc plated



Measured illumination performances

The valuable Cross-Polar rejection notably reduce the interference disturbances of second polarization signals.

- Specifications subject to change without notice