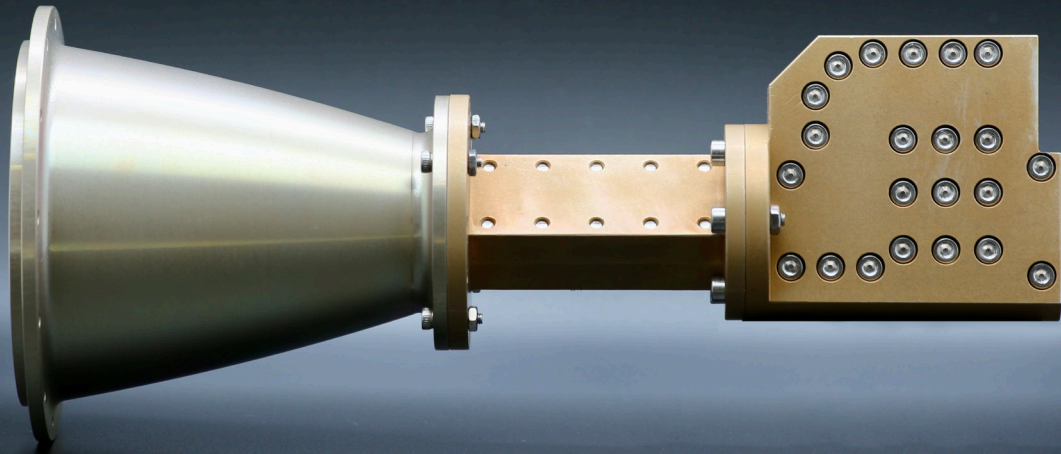


BEAMSAT[®]

K/KA-BAND HORN ANTENNA



HIGH-GAIN ANTENNA (HGA)
COST-EFFECTIVE, FULL DUPLEX,
OPERATING IN K/KA-BAND

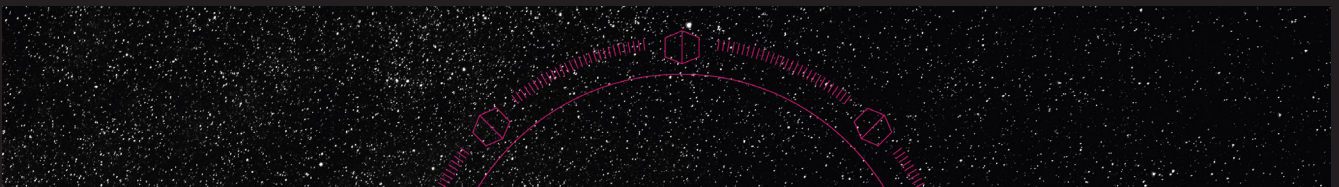
OVERVIEW

To ensure a high data rate of small satellites, a wide frequency band is required. BEAMSAT is a horn antenna available in two different bands, Ka-band and Ku-band.

With a volume of 2 U (20 x 10 x 10 cm) BEAMSAT offers excellent matching and sufficient gain to cover missions both in GEO and LEO orbits.

APPLICATIONS

- LEO small satellite services
- GEO satellites services
- FSS telecommunications
- Satellite Communications-on-the-Move
- HTS Terminals



MAIN PARAMETERS

TX	18 GHz	20 GHz
GAIN	19.6 dB	21.5 dB
INPUT MATCHING	-15.0 dB	-19.0 dB
INSULATION	<-80dB	<-80 dB
RX	27.5 GHz	30 GHz
GAIN	23.75 dB	24.5 dB
INPUT MATCHING	-19.0 dB	-15.8 dB
AXIAL RATIO	< 2 dB all bandwidth	< 2 dB all bandwidth
MASS	569g	
POLARISATION	Tx LHCP / Rx RHCP (RHCP) (LHCP)	
VOLUME (BOUNDING BOX)	(88.0x88.0x218.0)mm	
MECHANICAL/RF INTERFACE TX	WR42 to 2.92	
MECHANICAL/RF INTERFACE RX	WR28 to 2.92	

