2–18 GHz Broadband Horn Antenna, Vertical Linear Polarization

The antenna covers 2–18 GHz with vertical linear polarization. Gain varies with frequency from 5.5 to 18 dBi and is greater than 9 dBi at 3.6 GHz.

The RF connector is SMA female and typical VSWR is ≤2.0:1. Stated dimensions ≤105 × 75 × 120 mm exclude mounting structure; weight is ≤200 g.



Electrical specifications

Parameter	Value	Unit
Frequency range	2–18	GHz
VSWR [1]	≤2.0:1 (Typical)	-
Polarization	Vertical linear polarization	-
Gain [2]	5.5–18	dBi
Gain at 3.6 GHz [3]	>9	dBi
RF connectors	SMA-50K — Female	-

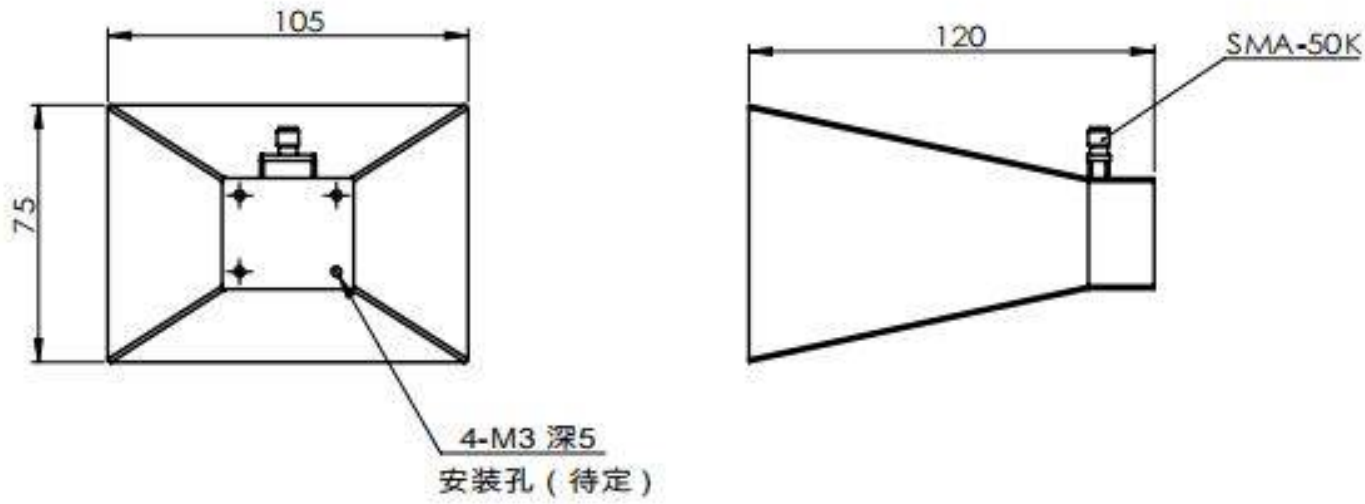
[1] Typical bounded value; not a guaranteed maximum.

[2] Frequency dependent.

[3] Strictly greater than the stated value. 3.6 GHz

Mechanical specifications

Parameter	Value	Unit
Dimensions	≤105 × 75 × 120 (Mounting structure excluded from stated dimensions)	mm
Weight	≤200	g
Mounting structure	Mounting structure excluded from stated dimensions	-



Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.