

- **Brass Die-Cast Standard Gain Horn.**
- **Standard WR input with UG-387 U compatible flange.**
- **26 dB nominal gain at center freq.**
- **Specific gain values can be requested.**

Description

This type of horn is suitable for general purpose applications such as transmission system, automotive radar application, multi-pixel image systems, etc... These antenna models have around 26 dB gain at central frequency, but any customer requirement gain value is accepted. These antennas are fabricated with a flange compatible with UG-387U.

Additional notes

Horn antenna exterior has been designed to minimize weight and improve robustness; but exterior appearance, flange or additional support structures if needed can be defined as customer needs.

Horn antenna is manufactured from a single brass piece using die-cast techniques, no soldering for flanges and no screws for attaching parts are included.

Mechanical and Electrical Specifications

	Description
Gain	26 dBi typ. (center freq.)
VSWR	< 1.3
Flange	Compatible with standard UG-387U
Fabrication	Brass die-cast in a single piece
External color	Ruby Red
Material	Brass

Table 1: Mechanical specifications of SGH antennas.

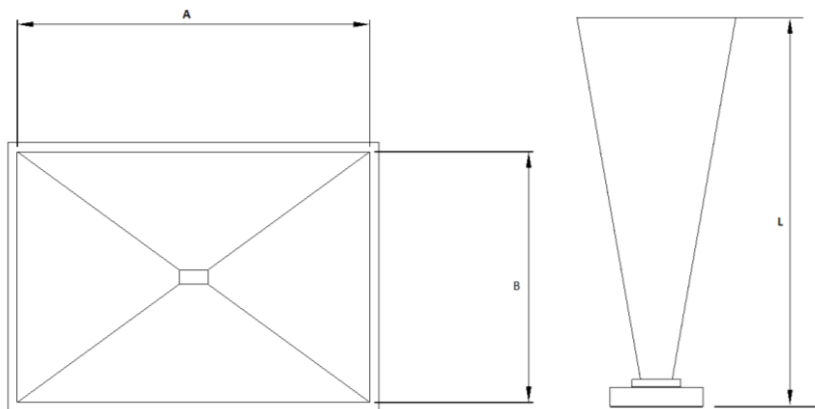
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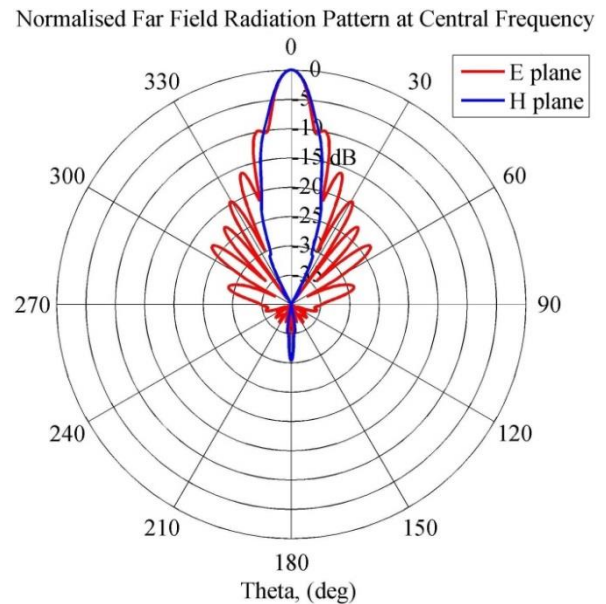
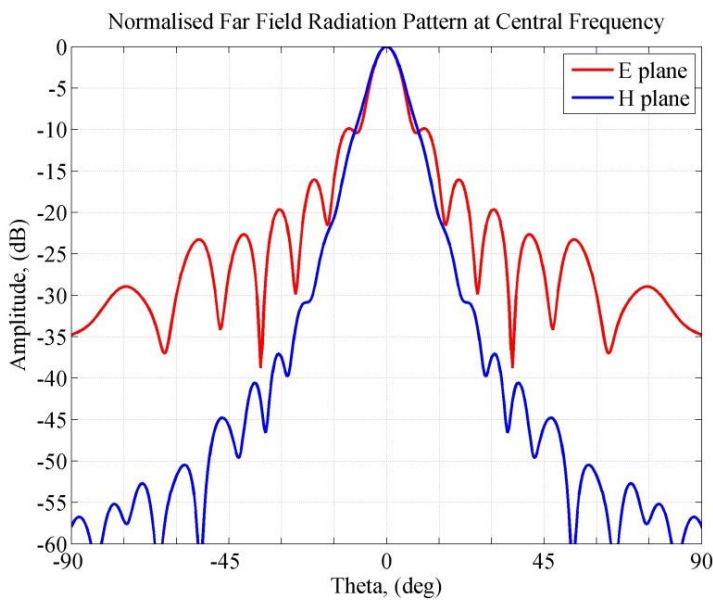
Model	Input waveguide	fmin [GHz]	f0 [GHz]	fmax [GHz]	Length [mm]	A [mm]	B [mm]
SGH-26-WR12	WR-12.2	60	75	90	96	37	26
SGH-26-WR10	WR-10.0	75	92	110	80	31	22
SGH-26-WR08	WR-8.0	90	110	140	64	25	18
SGH-26-WR06	WR-6.5	110	140	170	52	20	14
SGH-26-WR05	WR-5.1	140	180	220	41	16	11

Table 2: Size and operating frequency of each antenna model.

Antenna Dimensions



Radiation Patterns



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