

**Standard Gain Horn Antenna**  
**75 to 110 GHz**  
**WG27 WR10 R900**

Catalogue number: **QSH-SL-75-110-F-20**

Q-par reference: **QMS-00381**

Contents: **Summary**  
**Typical Gain / Antenna Factor**  
**Typical Beamwidth / Patterns**



Test Report

### Typical Specification

<b>Frequency</b>	75 to 110 GHz
<b>Connector type</b>	UG-387/U flange
<b>Power Handling</b>	200 Watt c.w.
<b>VSWR</b>	Typicaly < 1.2 :1
<b>Gain</b>	20 to 22.8 dBi
<b>Antenna Factor</b>	47.7 to 48.3 dB/m
<b>3dB Beamwidth</b>	13 to 19 degrees
<b>10dB Beamwidth</b>	24 to 33 degrees
<b>Weight</b>	30 g nominal
<b>Size- max.</b>	18 x 14 mm external aperture, 45 mm long
<b>Mounting</b>	UG-387/U flange
<b>Construction</b>	Electroformed copper with brass flange. Gold plated.

### Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas with an estimated error of +/- 0.8dB.



