Anteral

NFP-15-WR03

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Near Field Probe 220 to 330 GHz, WR03

DESCRIPTION

The NFP-15-WR03 is a high-performance open-ended waveguide probe that operates at the X-band between 220 and 330 GHz. It is manufactured from a single aluminium rod by high accurate manufacturing processes. The opening is sharp to reduce/minimize reflections.

Under client request, all NFPs can include adequate absorber material to reduce backscattering reflections from flanges.

APPLICATIONS

This type of probes is especially suitable for laboratory antenna near field measurements. Moreover, custom bands and radiation patter data can be requested for probe correction purposes.

Anteral also offers their CATR (Compact Antennas Test Range) for measuring antennas at such antenna test facilities.

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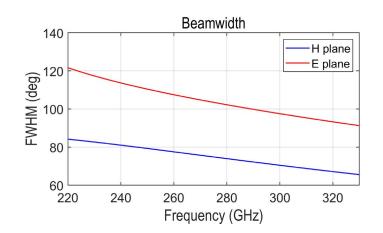
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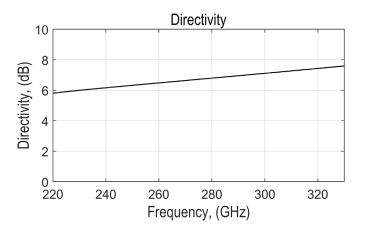
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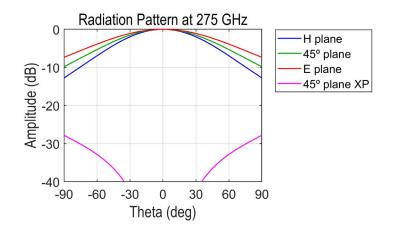
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ELECTRICAL SPECIFICATIONS

| Parameter | Typical value |
|-------------|---------------|
| Frequency | 220 - 330 GHz |
| Directivity | 6.5 dBi |
| S11 | -13 dB |







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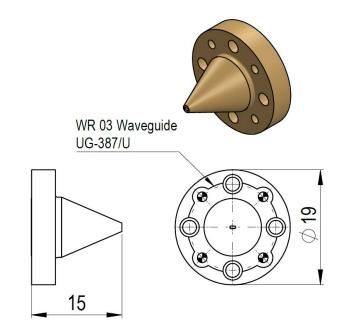
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MECHANICAL SPECIFICATIONS

| Parameter | Description |
|---------------|------------------------------|
| Antenna Port | WR-3.4 (0.864 mm x 0.432 mm) |
| Flange | UG-387/U |
| Total length | 15 mm |
| Horn Material | Aluminum |

MECHANICAL OUTLINE



Additional notes

The return loss performance of all items is checked before delivery.



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