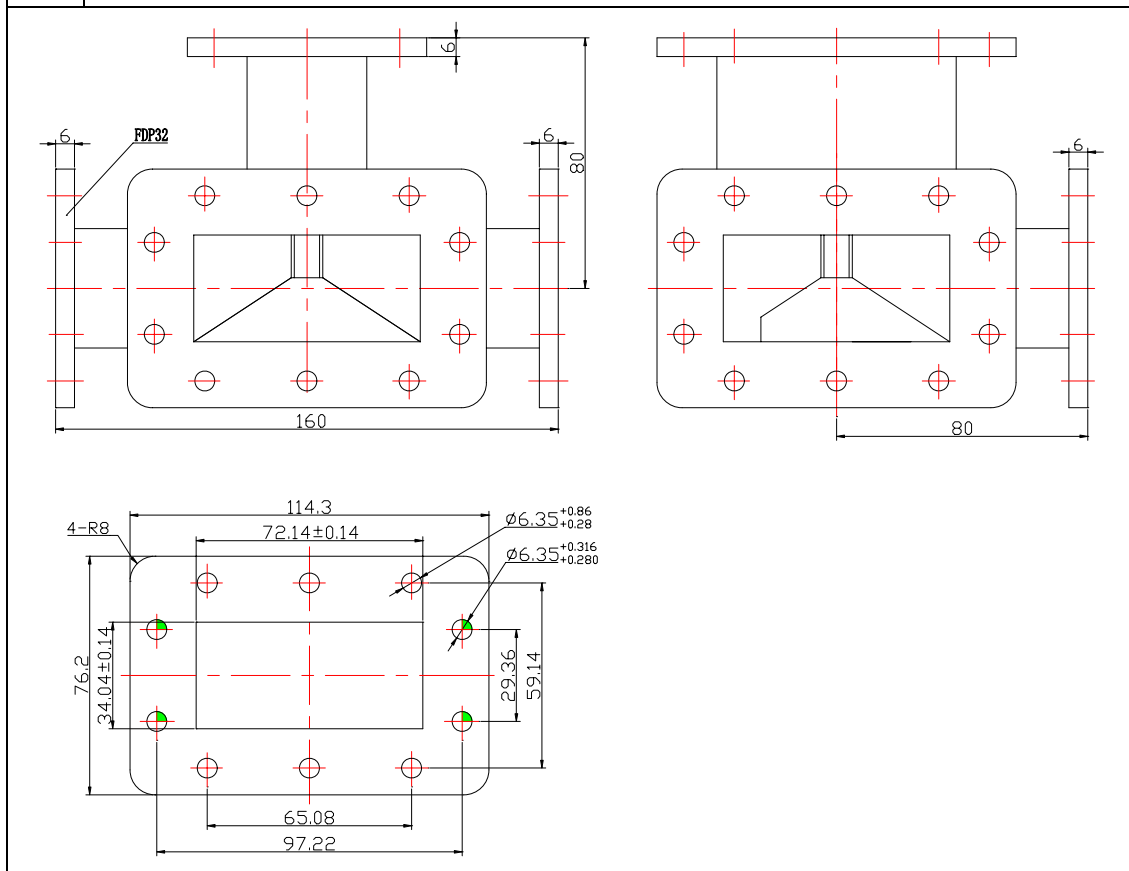


## Waveguide Magic Tee

Part No: VT32WMTA

|            |                                  |                              |
|------------|----------------------------------|------------------------------|
| <b>1.0</b> | <b>Mechanical Specifications</b> |                              |
| 1.1        | Waveguide type                   | WR284                        |
| 1.2        | Flange                           | FDP32                        |
| 1.3        | Material                         | Aluminum                     |
| 1.4        | Inside finish                    | Chromate conversion          |
| 1.5        | Outside finish                   | Anticorrosion grey paint     |
| 1.6        | Temperature range                | -40°C ~ +70° C               |
|            |                                  |                              |
| <b>2.0</b> | <b>Electrical Specifications</b> |                              |
| 2.1        | Frequency range                  | 2.6-3.95 GHz                 |
| 2.2        | Operating bandwidth              | 15% of waveguide bandwidth   |
| 2.3        | VSWR (Max)                       | 1.3 (H-plane), 1.5 (E-plane) |
| 2.4        | Isolation (Min)                  | 35 dB (H&E Arms)             |
| 2.5        | Unbalance (Max)                  | ± 0.5 dB                     |
| 2.6        | Phase balance                    | ± 2.5°                       |
| 2.7        | Power handling                   | 200 KW (Peak)                |
|            |                                  |                              |
| <b>3.0</b> | <b>Outline Drawings</b>          |                              |



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## Revision History

| Date        | Revision | Changes       |
|-------------|----------|---------------|
| 17-Mar-2005 | 1        | First release |

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