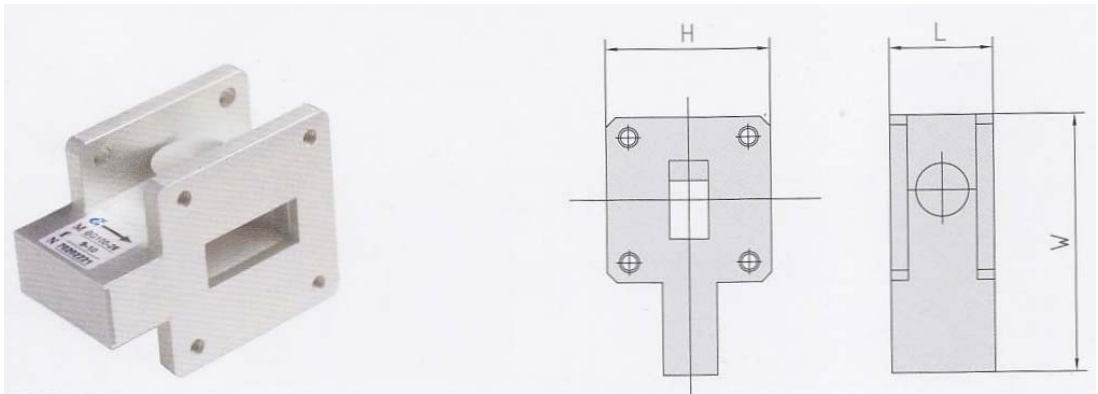




**WR90 Waveguide Isolator**

**HD Part No: HD-100WISO**

|  |                                  |  |
|--|----------------------------------|--|
| <b>1.0</b>   | <b>Mechanical Specifications</b> |  |
| 1.1  | Waveguide type                   | Rectangular Waveguide WR-90  |
| 1.2  | Flange type                      | HD-FBP100  |
| 1.3  | Basis-material                   | Alloyed Aluminum   |
| 1.4  | Finish                           | Inside: Chromate conversion<br>Outside: Corrosion protected with black paint |
| 1.5  | Temperature range                | -40°C ~ +70°C  |
|  |                                  |  |
| <b>2.0</b>   | <b>Electrical Specifications</b> |  |
| 2.1  | Frequency Range                  | 8.2 – 12.5 GHz   |
| 2.2  | Bandwidth                        | 1000 MHz   |
| 2.2  | Max. VSWR                        | 1.2:1  |
| 2.3  | Max. Insertion loss              | 0.3dB  |
| 2.3  | Min. Isolation                   | 20dB   |
|  |                                  |  |
| <b>3.0</b>   | <b>Outline Drawing</b>           |  |
|  |                                  |  |
| <b>L=28mm, W=56mm, H=42mm</b>  |                                  |  |



**Revision History**

| Date          | Revision | Changes       |
|---------------|----------|---------------|
| 01-April-2009 | 1        | First release |

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