

## ATN30-12FH00WG

### General Description

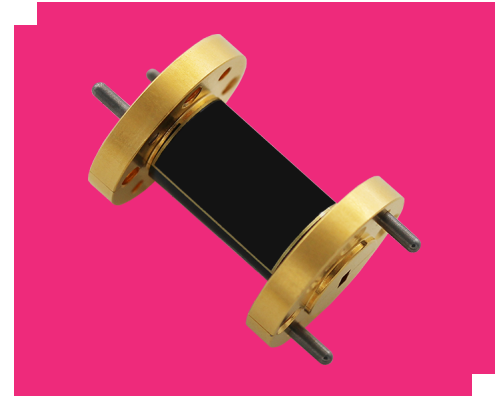
1" High Power WR-12 30 dB Fixed Attenuators, operating from 60-90 GHz, are built with high precision and gold plated for high corrosion resistance. They have great VSWR and accurate attenuation.

### Features

- Power Handling 10 W
- Length = 1 in.
- UG-387/U Flange

### Functional Block Diagram

N/A



### Electrical Performance Summary

| Parameter       | Typ      | Unit |
|-----------------|----------|------|
| Frequency Range | 60 to 90 | GHz  |
| Attenuation     | 30       | -    |
| Return Loss     | 10       | dB   |

Summary only – refer to the Electrical Specifications, Absolute Maximum Ratings, and Recommended Operating Range tables for complete details.

### Part Ordering Options

| Part Number    | Description                  | Package | Green Status  | Product Lifecycle | Export Classification |
|----------------|------------------------------|---------|---------------|-------------------|-----------------------|
| ATN30-12FH00WG | 1" HP WR-12 30 dB Attenuator | WR-12   | REACH<br>RoHS | Released          | EAR99                 |

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## SPECIFICATIONS

### Electrical Specifications

| Parameter       | Test Conditions | Minimum Frequency (GHz) | Maximum Frequency (GHz) | Min | Typ | Max | Unit |
|-----------------|-----------------|-------------------------|-------------------------|-----|-----|-----|------|
| Frequency Range | -               | 60                      | 90                      | -   | -   | -   | GHz  |
| Attenuation     | -               | 60                      | 90                      | -   | 30  | -   | -    |
| Return Loss     | -               | 60                      | 90                      | -   | 10  | -   | dB   |

### Absolute Maximum Ratings

| Parameter      | Maximum Rating | Unit |
|----------------|----------------|------|
| Power Handling | 10             | W    |

### Package Information

| Parameter  | Details | Rating    |
|------------|---------|-----------|
| Dimensions | -       | L = 1 in. |

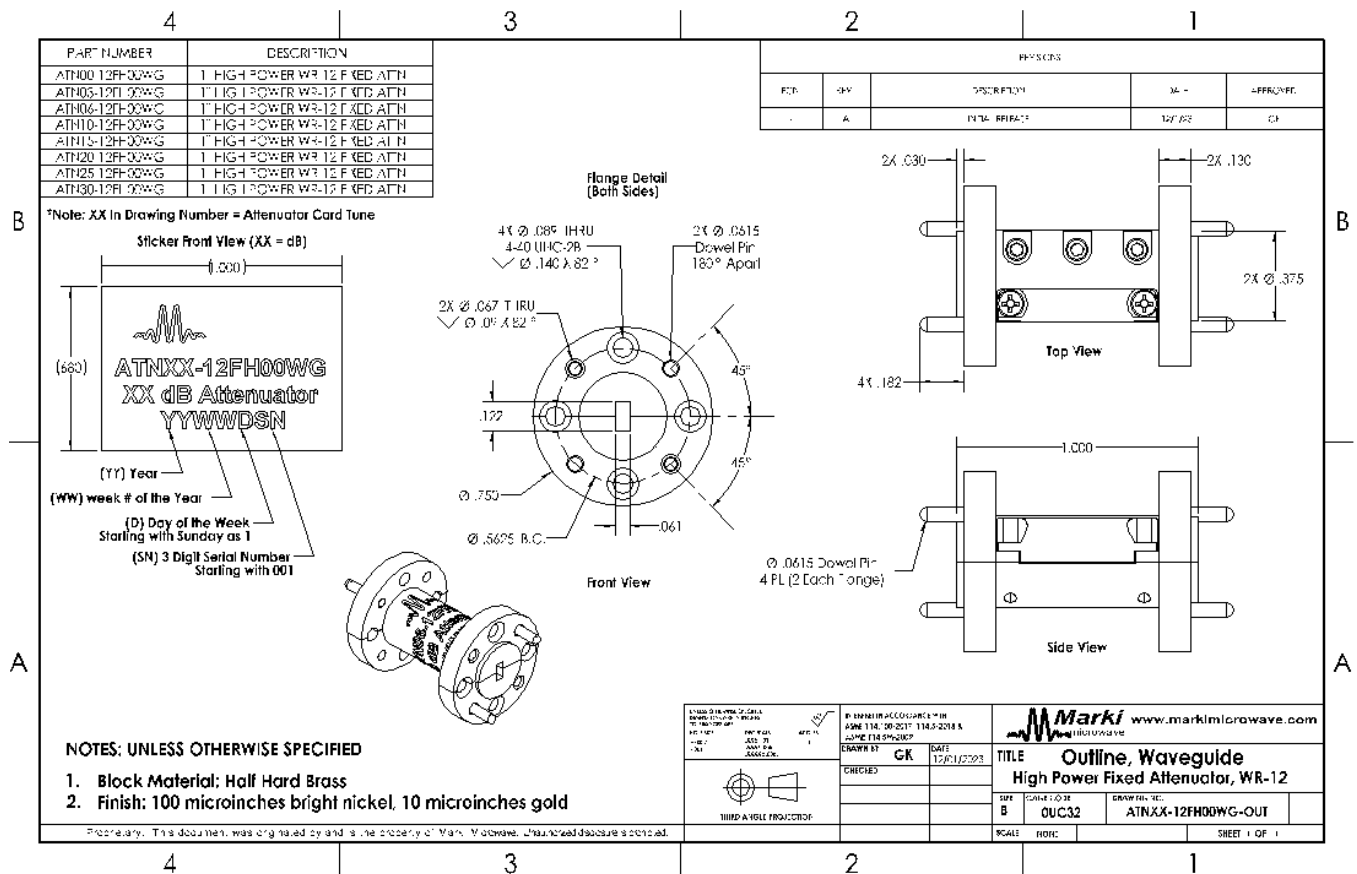
### Port Functions

| Port   | Function          | Connector Type | Description      | DC Equivalent Circuit |
|--------|-------------------|----------------|------------------|-----------------------|
| Port 1 | RF Input / Output | -              | RF input/output. | -                     |
| Port 2 | RF Input / Output | -              | RF input/output. | -                     |

## MECHANICAL DATA

### Outline Drawing

Download : [Outline 2D Drawing](#) | [Outline 3D STP](#)



## REVISION HISTORY

| Revision Code | Revision Date | Comment         |
|---------------|---------------|-----------------|
| -             | 2024-05-01    | Initial Release |

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