

## WR-90 Waveguide Termination 2 Watts with a 9 GHz to 10 GHz Frequency Range, Aluminum with UG Style Flange

The FMW90TR1001 is a WR-90 waveguide termination/load that operates in the frequency range of 9 GHz to 10 GHz. This WR-90 waveguide termination has a Max VSWR of 1.05:1. This waveguide termination design is made of painted aluminum and incorporates a standard UG Square Cover flange. In addition to waveguide termination product line, Fairview Microwave also offers a wide range of waveguide products which are available in stock and ready for same-day shipment.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	9		10	GHz
VSWR			1.05:1	
Input Power (CW)			2	Watts

### Mechanical Specifications

Size	
Length	1.18 in [29.97 mm]
Width/Dia.	1.63 in [41.4 mm]
Height	1.63 in [41.4 mm]

Description	Flange	Waveguide
Designation	UG-135/U	WR-90
Type	Square Cover	
Material	Aluminum	Aluminum
Plating	Chromate	Chromate
Finish		Grey paint

### Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:



### Features:

- WR-90 Waveguide
- Operating Frequency Range from 9 GHz to 10 GHz
- UG Square Cover Flange Flange
- 1.05:1 Max VSWR
- 2 Watts Average Power Handling

### Applications:

- Radar Systems
- Military and Space
- Wireless Radio Systems
- Telecom Infrastructure
- Communication Systems
- R&D Labs
- Microwave Radio Systems

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WR-90 Waveguide Termination 2 Watts with a 9 GHz to 10 GHz Frequency Range, Aluminum with UG Style Flange from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

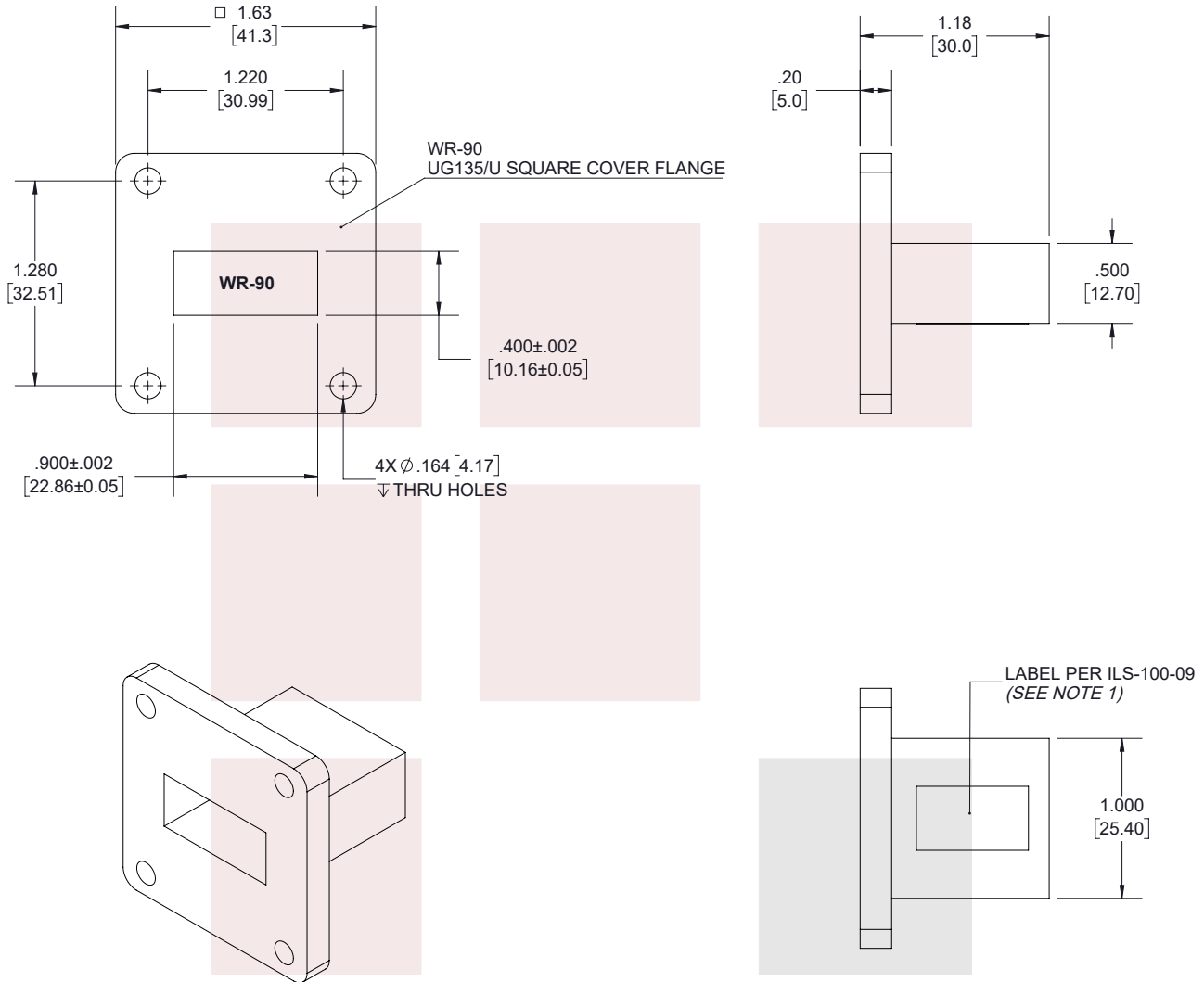
For additional information on this product, please click the following link: [WR-90 Waveguide Termination 2 Watts with a 9 GHz to 10 GHz Frequency Range, Aluminum with UG Style Flange FMW90TR1001](#)

URL: <https://www.fairviewmicrowave.com/wr-90-waveguide-termination-2-watts-instrumentation-grade-9-10-ghz-fm-w90tr1001-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/30/2021	S.PONG



**NOTES:**

1. LABEL PER ILS-100-09. FOR INTERNAL USE ONLY.  
LABEL LOCATION FOR REFERENCE ONLY.

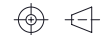
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TITLE  
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ±.2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	
.XX = ±.02 [.51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
.XXX = ±.005 [.13]		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
		300 [7620] < L = +5%L / -0	

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.DANG	FMW90TR1001	A

T-Rev.D