

Matching Pad 50 Ohm N Male to 75 Ohm F Female Operating from DC to 3 GHz

Fairview Microwave's FMMP1103 is a 50 ohm N male to 75 ohm F female matching pad that operates from DC to 3 GHz. This N to F impedance matching pad offers a low VSWR of 1.25:1 max and attenuation of 7.5 dB max. FMMP1103 50 ohm to 75 ohm minimum loss pad has a maximum CW power rating of 0.5 Watt. Matching pads are used to match the different impedance between two devices, maximizing power transfer between the two impedances. Fairview Microwave's minimum loss impedance matching pads are available in various connector combinations to fit your needs, all of which ship the same day.



Electrical Specifications

| Description | Min | Typ | Max | Units |
|-----------------|-----|--------|--------|-------|
| Frequency Range | DC | | 3 | GHz |
| VSWR | | 1.15:1 | 1.25:1 | |
| Attenuation | | 4 | 7.5 | dB |
| Input Power, CW | | | 0.5 | Watts |

Mechanical Specifications

Size

| | |
|------------------------------|--------------------|
| Length | 2.11 in [53.59 mm] |
| Width | 0.82 in [20.83 mm] |
| Height | 0.82 in [20.83 mm] |
| Weight | 0.04 lbs [18.14 g] |
| Housing Material and Plating | Brass, Tri-Metal |

Connector 1

| Description | Connector |
|--------------------------------------|------------------------|
| Type | N Male |
| Impedance | 50 Ohms |
| Inner Conductor Material and Plating | Beryllium Copper, Gold |
| Body Material and Plating | Brass, Tri-Metal |

Connector 2

| Description | Connector |
|--------------------------------------|------------------------|
| Type | F Female |
| Impedance | 75 Ohms |
| Inner Conductor Material and Plating | beryllium copper, Gold |
| Body Material and Plating | Brass, Tri-Metal |

Configuration:

- Connector 1: 50 Ohms N Male
- Connector 2: 75 Ohms F Female

Features:

- DC to 3 GHz Frequency Range
- Low VSWR < 1.25:1
- 0.5 W Max Power (CW)

Applications:

- CATV / Cable Networks
- Test and Measurement
- Communication Systems
- Wireless Systems

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

Plotted and Other Data

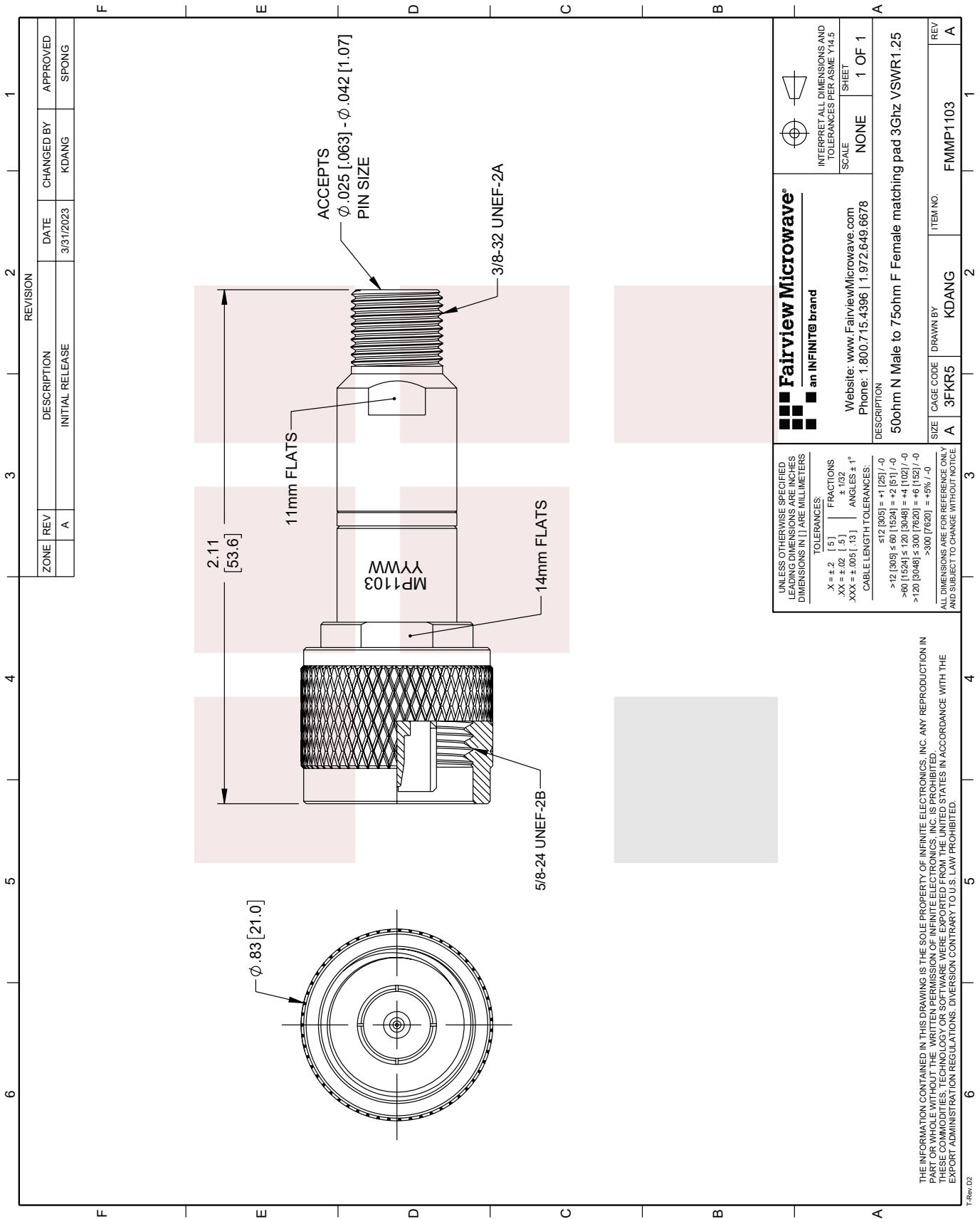
Notes:

Matching Pad 50 Ohm N Male to 75 Ohm F Female Operating from DC to 3 GHz 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: [Matching Pad 50 Ohm N Male to 75 Ohm F Female Operating from DC to 3 GHz FMMP1103](#)

URL: <https://www.fairviewmicrowave.com/matching-pad-n-f-3-mhz-fmmp1103-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



| ZONE | | REVISION | | DATE | | CHANGED BY | | APPROVED | |
|------|--|-----------------|--|-----------|--|------------|--|----------|--|
| A | | | | 3/31/2023 | | KDANG | | SPONG | |
| | | DESCRIPTION | | DATE | | CHANGED BY | | APPROVED | |
| | | INITIAL RELEASE | | | | | | | |

| | | | |
|---|-------|--|----------|
| Fairview Microwave an INFINIT [®] brand | | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SHEET | |
| Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678 | | SCALE | NONE |
| DESCRIPTION | | SHEET | 1 OF 1 |
| 50ohm N Male to 75ohm F Female matching pad 3Ghz VSWR1.25 | | | |
| SIZE | A | CAGE CODE | 3FKR5 |
| DRAWN BY | KDANG | ITEM NO. | FMMP1103 |
| REV | A | | |

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

TOLERANCES:

| | |
|--------------------|-------------|
| .X = ±.2 [5] | FRACTIONS |
| .XX = ±.02 [.5] | ± 1/32 |
| .XXX = ±.005 [.13] | ANGLES ± 1° |

CABLE LENGTH TOLERANCES:

| |
|--|
| 512 [305] = +1 [25] / -0 |
| >12 [305] ≤ 60 [1524] = +2 [51] / -0 |
| >60 [1524] ≤ 120 [3048] = +4 [102] / -0 |
| >120 [3048] ≤ 300 [7620] = +6 [152] / -0 |
| >300 [7620] = +5% / -0 |

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

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