

2.92mm Variable Phase Shifter with an Adjustable Phase Range of 0 to 360 Degrees and from 18 GHz to 40 GHz

The FMPH1000A is an Variable Phase Shifter with an Optimized Control Range from 0 - 360 Degrees over the Operating Frequency Range of 18 GHz to 40 GHz.



Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	18		40	GHz
Impedance		50		Ohms
Phase Shift	0		360	Degrees
Input VSWR			2:1	
Insertion Loss			2.5	dB
Group Delay			670	ps
Input Power, CW			100	Watts
Input Power, Peak			3	kWatts

Mechanical Specifications

Size	
Length	3.75 in [95.25 mm]
Width/Diameter	2 in [50.8 mm]
Height	1 in [25.4 mm]
Body Material and Plating	Aluminum
Configuration	
Package Style	Connectorized
Input Connector	2.92mm Female
Output Connector	2.92mm Female

Environmental Specifications

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

Plotted and Other Data

Notes:

Features:

- Variable Phase Shifter
- 18 GHz to 40 GHz Frequency Range
- 0 - 360 Degree Optimized Control Range
- 100 Watts CW Max Input Power
- Insertion Loss 2.5 dB Max

Applications:

- Test & Measurement
- Radar Development
- Military Communications Systems
- Tracking Systems
- Direction Finding Systems
- Antenna Test
- Frequency Translation

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

2.92mm Variable Phase Shifter with an Adjustable Phase Range of 0 to 360 Degrees and from 18 GHz to 40 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.

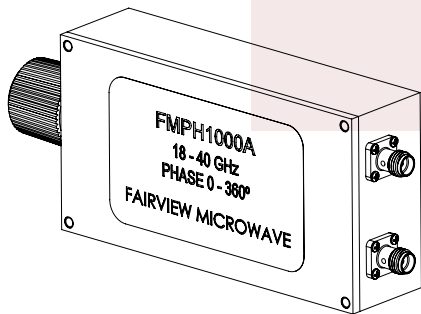
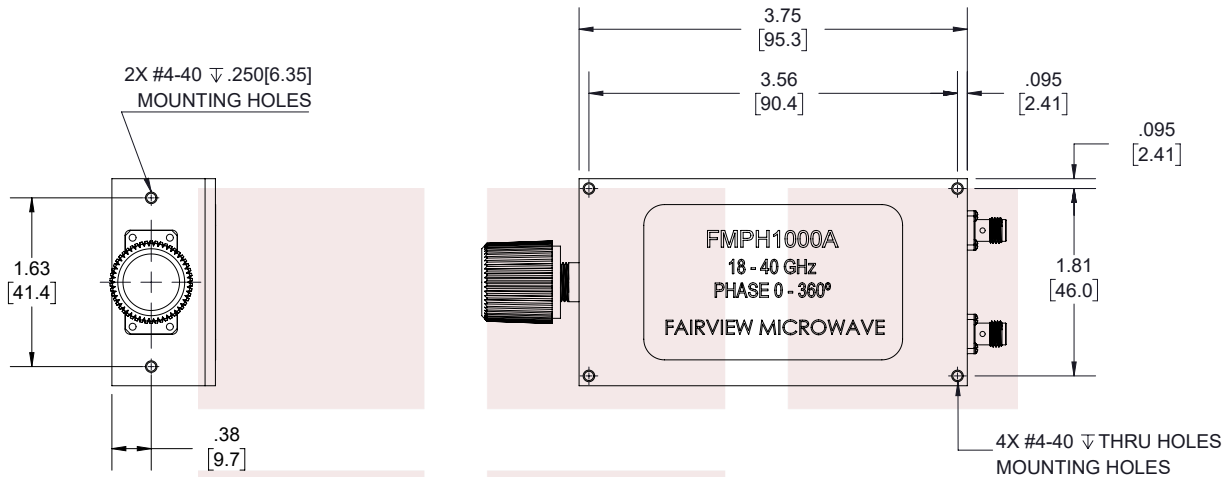
For additional information on this product, please click the following link: [2.92mm Variable Phase Shifter with an Adjustable Phase Range of 0 to 360 Degrees and from 18 GHz to 40 GHz FMPH1000A](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-variable-phase-shifter-18-40-ghz-fmph1000a-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.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/4/2020	S.SPONG



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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	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	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 A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMPH1000A	REV A
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