

SMA Male Adjustable Phase Trimmer With an Adjustable Phase of 4 Deg. Per GHz From DC to 12 GHz for RG405, Brass Body

Fairview Microwave's SMP8209 is a phase trimmer that has phase adjustment range of 4 degrees per GHz with a frequency range from DC to 12 GHz. With SMA male for RG405, this RF phase trimmer design is tried and true technology that offers exceptional RF performance characteristics that include a maximum VSWR of 1.2:1. Phase trimmers are part of Fairview Microwave's comprehensive RF passive product offerings which are available in stock and ready for same-day shipment.



Electrical Specifications (Values at +25° C, Sea Level)

Description	Min	Typ	Max	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
Phase Adjustment		4		Deg/GHz
Input VSWR			1.2:1	
Output VSWR			1.2:1	
Insertion Loss			0.5	dB
Input Power, CW			100	dBm

Mechanical Specifications

Size

Length	1.193 in [30.3 mm]
Width/Diameter	0.315 in [8 mm]
Height	0.315 in [8 mm]
Weight	0.02 lbs [9.07 g]
Body Material and Plating	Brass, Copper-Tin-Zinc Alloy

Configuration

Input Connector	SMA Male
Input Connector Center Contact Material	Beryllium Copper
Input Connector Center Contact Plating	Gold
Output Connector Center Contact Material	Beryllium Copper
Output Connector Center Contact Plating	Gold

Environmental Specifications

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

Plotted and Other Data

Notes:

Features:

- Phase Adjustment: 4 Deg/GHz
- Frequency Range from DC to 12 GHz
- SMA male Connectorized Design
- Connector Interface Type: RG405
- Insertion Loss: 0.5 dB Max
- Max VSWR 1.2:1
- Max Power Rating: 100 Watts (CW)

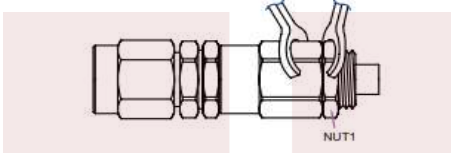
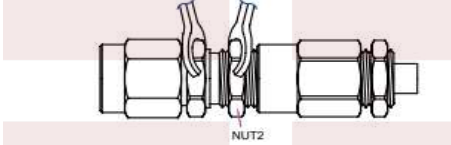
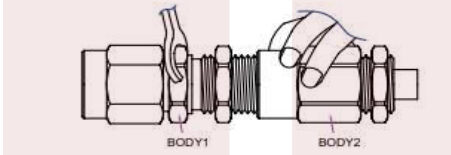
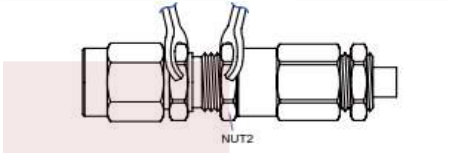
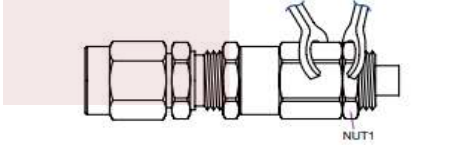
Applications:

- Test & Measurements
- Radar Development
- Military Communications Systems
- Phase Array Antenna System
- Satellite Communications

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Sequence Diagram

Phase Trimmer Instructions

Diagram	Phase Trimmer Instructions
 <p style="text-align: center;">NUT1</p>	<p>Step 1: Loosen NUT1 before adjusting Phase. Use Spanner size 8mm.</p>
 <p style="text-align: center;">NUT2</p>	<p>Step 2: Loosen NUT2 before adjusting Phase. Use Spanner size 8mm.</p>
 <p style="text-align: center;">BODY1 BODY2</p>	<p>Step 3: Adjust to the required phase: Keep BODY1 in a fixed position and adjust phase by manually turning BODY2.</p>
 <p style="text-align: center;">NUT2</p>	<p>Step 4: Tighten NUT2 after adjusting phase. Use Spanner size 8mm.</p>
 <p style="text-align: center;">NUT1</p>	<p>Step 5: Tighten NUT1 after adjusting phase. Use Spanner size 8mm.</p>

SMA Male Adjustable Phase Trimmer With an Adjustable Phase of 4 Deg. Per GHz From DC to 12 GHz for RG405, Brass Body 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: [SMA Male Adjustable Phase Trimmer With an Adjustable Phase of 4 Deg. Per GHz From DC to 12 GHz for RG405, Brass Body SMP8209](#)

URL: <https://www.fairviewmicrowave.com/sma-adjustable-phase-trimmer-1-12-mhz-smp8209-p.aspx>

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