

SMA Adjustable Phase Trimmer With an Adjustable Phase of 15 Deg. Per GHz From DC to 10 GHz, Brass Body

Fairview Microwave's SMP8204 is a phase trimmer that has phase adjustment range of 15 degrees per GHz with a frequency range from DC to 10 GHz. With SMA male to SMA female connectors, this RF phase trimmer design is tried and true technology that offers exceptional RF performance characteristics that include a maximum VSWR of 1.25:1. Phase trimmers are part of Fairview Microwave's comprehensive RF passive product offerings which are available in stock and ready for same-day shipment.



Features:

- Phase Adjustment: 15 Deg/GHz
- Frequency Range from DC to 10 GHz
- SMA Connectorized Design
- Insertion Loss: 0.3 dB Max
- Max VSWR 1.25:1
- Max Power Rating: 100 Watts (CW)

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

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Phase Adjustment		15		Deg/GHz
Input VSWR			1.25:1	
Output VSWR			1.25:1	
Insertion Loss			0.3	dB
Input Power, CW			100	dBm

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC-6	6-10				GHz
VSWR, Max	1.15:1	1.25:1				

Mechanical Specifications

Size

Length	2.598 in [65.99 mm]
Width/Diameter	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.08 lbs [36.29 g]
Body Material and Plating	Brass, Gold

Configuration

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

Applications:

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

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Environmental Specifications

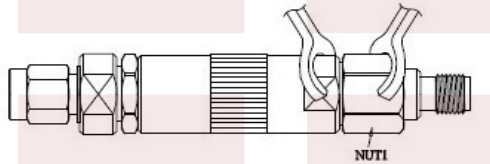
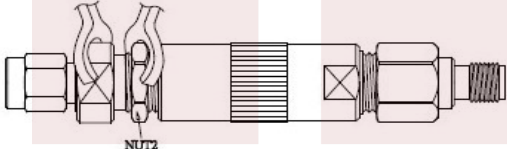
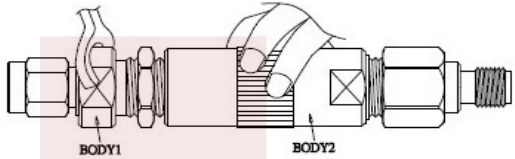
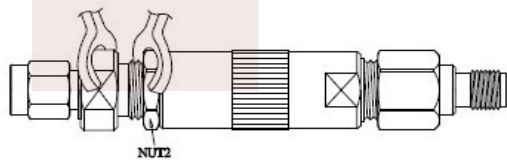
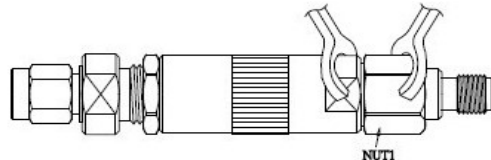
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Sequence Diagram

Phase Trimmer Instructions

Diagram	Phase Trimmer Instructions
 <p>A side-view technical drawing of the phase trimmer. A callout line points to the nut on the right side of the device, labeled 'NUT1'.</p>	<p>Step 1: Loosen NUT1 before adjusting Phase. Use Spanner size 11mm.</p>
 <p>A side-view technical drawing of the phase trimmer. A callout line points to the nut on the left side of the device, labeled 'NUT2'.</p>	<p>Step 2: Loosen NUT2 before adjusting Phase. Use Spanner size 11mm.</p>
 <p>A side-view technical drawing of the phase trimmer. Two callout lines point to the left and right cylindrical sections, labeled 'BODY1' and 'BODY2' respectively.</p>	<p>Step 3: Adjust to the required phase: Keep BODY1 in a fixed position and adjust phase by manually turning BODY2.</p>
 <p>A side-view technical drawing of the phase trimmer. A callout line points to the nut on the left side of the device, labeled 'NUT2'.</p>	<p>Step 4: Tighten NUT2 after adjusting phase. Use Spanner size 11mm.</p>
 <p>A side-view technical drawing of the phase trimmer. A callout line points to the nut on the right side of the device, labeled 'NUT1'.</p>	<p>Step 5: Tighten NUT1 after adjusting phase. Use Spanner size 11mm.</p> <p>Note: After tightening NUT1 the SMA Female should be fixed (and not rotate)</p>

SMA Adjustable Phase Trimmer With an Adjustable Phase of 15 Deg. Per GHz From DC to 10 GHz, 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 Adjustable Phase Trimmer With an Adjustable Phase of 15 Deg. Per GHz From DC to 10 GHz, Brass Body SMP8204](#)

URL: <https://www.fairviewmicrowave.com/sma-adjustable-phase-trimmer-smp8204-p.aspx>

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