

SMA Variable Phase Shifter with an Adjustable Phase of 15 Deg. Per GHz and from DC to 18 GHz



Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Phase Adjustment		15		Deg/GHz
Input VSWR			1.4:1	
Input Power, CW			80	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC-6	6-12	12-18			GHz
VSWR, Max	1.15:1	1.25:1	1.4:1			

Mechanical Specifications

Size		
Length		2.6 in [66.04 mm]
Width/Diameter		0.5 in [12.7 mm]
Height		0.5 in [12.7 mm]
Weight		0.0902 lbs [40.91 g]
Body Material and Plating		Passivated Stainless Steel
Configuration		
Input Connector		SMA Male
Output Connector		SMA Female

Environmental Specifications

Temperature	
Operating Range	-55 to 125 deg C

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

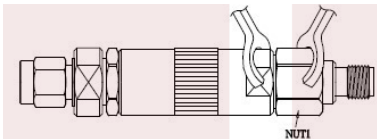
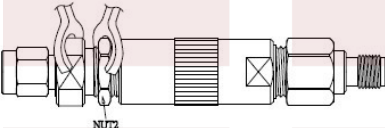
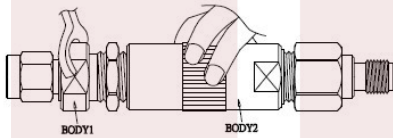
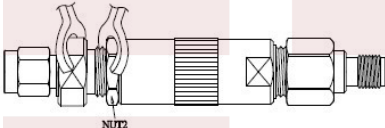
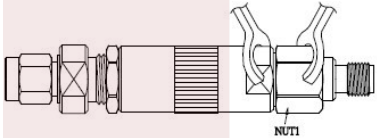
Plotted and Other Data

Notes:

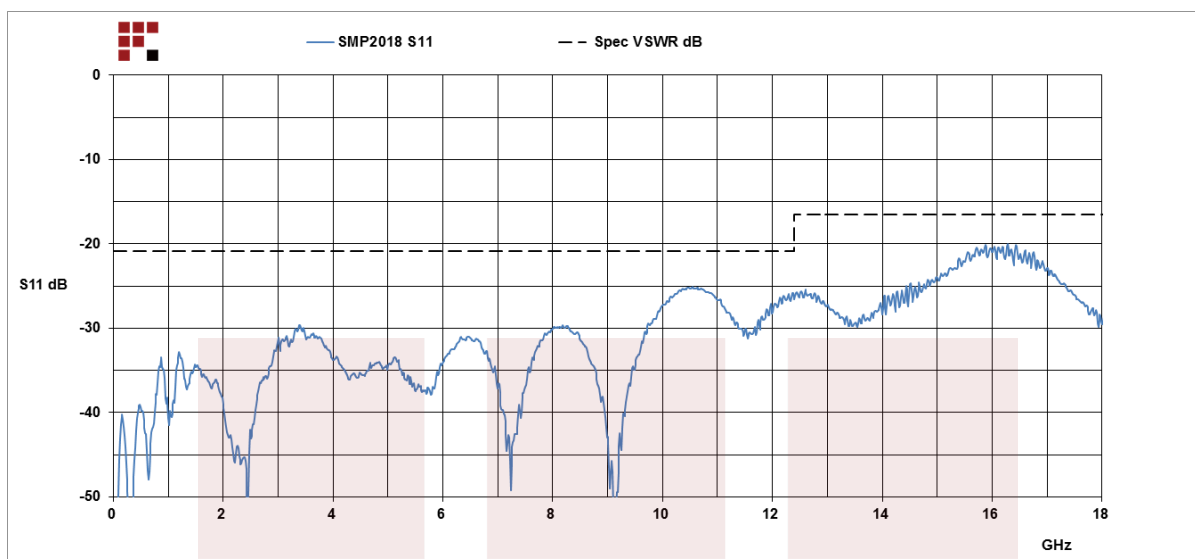
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Sequence Diagram

SMP2018 PHASE TRIMMER INSTRUCTIONS

DIAGRAM	PHASE TRIMMER INSTRUCTIONS
	Step 1: LOOSEN NUT1 BEFORE ADJUSTING PHASE. USE SPANNER SIZE 11MM.
	Step 2: LOOSEN NUT2 BEFORE ADJUSTING PHASE. USE SPANNER SIZE 11MM.
	Step 3: ADJUST TO THE REQUIRED PHASE: KEEP BODY1 IN A FIXED POSITION AND ADJUST PHASE BY MANUALLY TURNING BODY2.
	Step 4: TIGHTEN NUT2 AFTER ADJUSTING PHASE. USE SPANNER SIZE 11MM.
	Step 5: TIGHTEN NUT1 AFTER ADJUSTING PHASE. USE SPANNER SIZE 11MM. NOTE: AFTER TIGHTENING NUT 1 THE SMA JACK SHOULD BE FIXED (AND NOT ROTATE)

Typical Performance Data



SMA Variable Phase Shifter with an Adjustable Phase of 15 Deg. Per GHz and from DC to 18 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: [SMA Variable Phase Shifter with an Adjustable Phase of 15 Deg. Per GHz and from DC to 18 GHz SMP2018](https://www.fairviewmicrowave.com/sma-variable-phase-shifter-dc-18-ghz-smp2018-p.aspx)

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