

Phase Trimmer

DC-40GHz/2.92mm Male to Female

Model: TLADPS-2.92

TLADPS-2.92 is a phase trimmers are adjustable passive microwave devices designed for RF applications. TLADPS-2.92 have a phase range of 0° to 600° and a phase adjustment of 15° per GHz. Maximum insertion loss for all of our phase trimmers for RF is $0.06 \cdot \sqrt{f(\text{GHz})}$ dB.

Features:

- Operating Frequency DC to 40 GHz
- High phase adjustmant accuracy
- Low insertion loss

Applications:

- laboratory test
- Communication equipment

Electrical Characteristics:

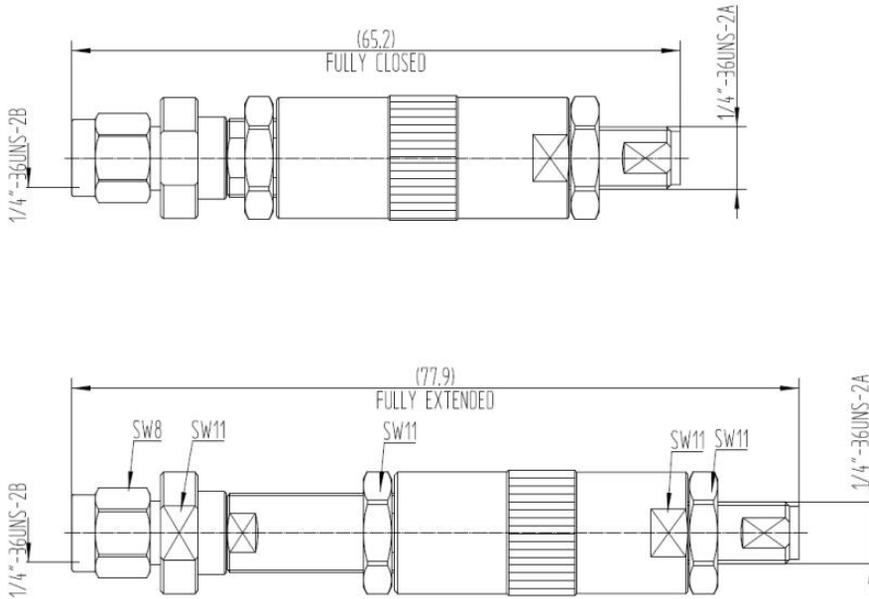
Parameter	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
VSWR			1.45	:1
Insertion Loss			$0.06 \cdot \sqrt{f(\text{GHz})}$	dB
Phase adjustment range		15 X f(GHz)		°
Dielectric Withstanding Voltage		750		V
Insulation Resistance		5000		MOhms
Impedance		50		Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-55 To +125	°C
Dielectric	PEI 1000	
Body Material	Stainless steel, Passivated	
Inner Conductor	Be-Cu, Gold plated	
Connectors	2.92mm	
Nut Material	Stainless steel, Passivated	

Outline Drawing:

Unit:mm

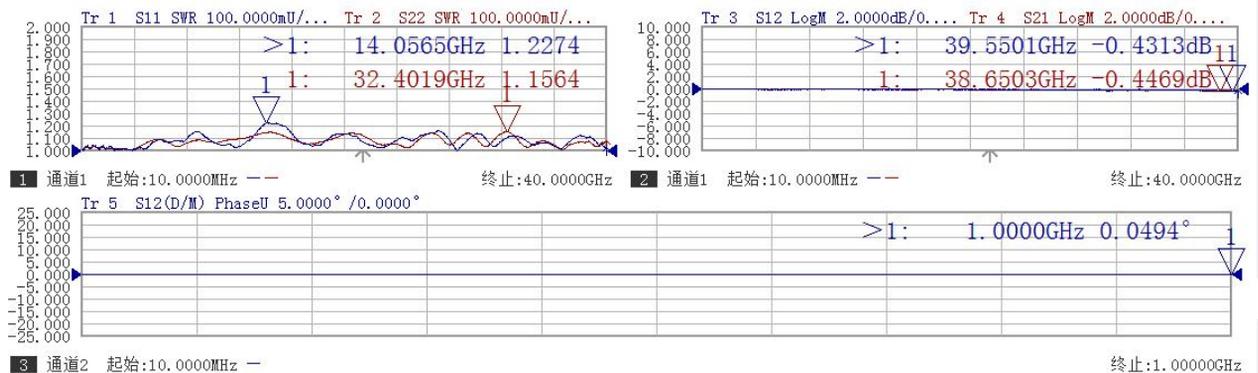


Ordering Information:

Base Number	Description	Revision
TLADPS-2.92	SMA straight Male Plug to Female Jack Phase Trimmer, DC-40GHz, Phase adjustment: 15° per GHz.	Rev.1.1

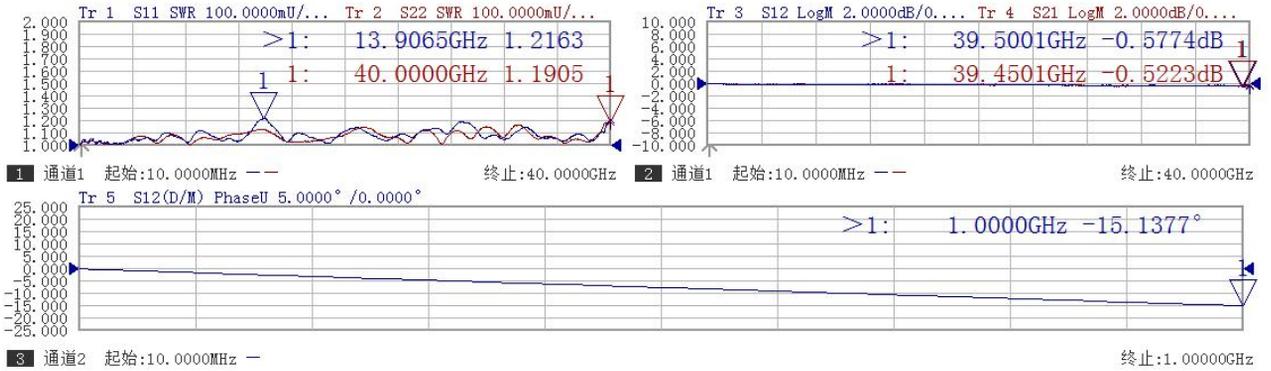
Typical Performance Data:

VSWR&Insertion Loss&Phase vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

VSWR&Insertion Loss&Phase vs Frequency



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