

Adjustable Phase Shifter

DC-8GHz/SMA Female

Model: TLMP5-8G-180-S

TLMP5-8G-180-S is a phase shifters is adjustable passive microwave devices designed for RF applications.TLMP5-8G-180-S have a phase range of 0° to 180° and a phase adjustment of 4.8° per GHz.

Features:

- Operating Frequency DC to 8GHz
- High phase adjustmant accuracy
- Low insertion loss

Applications:

- laboratory test
- Communication equipment

电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
频率范围 Frequency Range		DC		8	GHz
驻波 VSWR	@3GHz			1.35	:1
	@8GHz			1.65	
相位调节范围 Phase adjustment range@Apply 1		0		180	°/GHz
相位灵敏度 Phase Sensitivity@Apply 1			4.8 X f(GHz)		°/Circle
群时延 Group Delay@Apply 1			533		ps
相位调节范围 Phase adjustment range@Apply 2		0		90	°/GHz
相位灵敏度 Phase Sensitivity@Apply 2			2.4 X f(GHz)		°/Circle
群时延 Group Delay@Apply 2			266.5		ps
耐受功率 Power Handling			50		W
阻抗 Impedance			50		Ohms

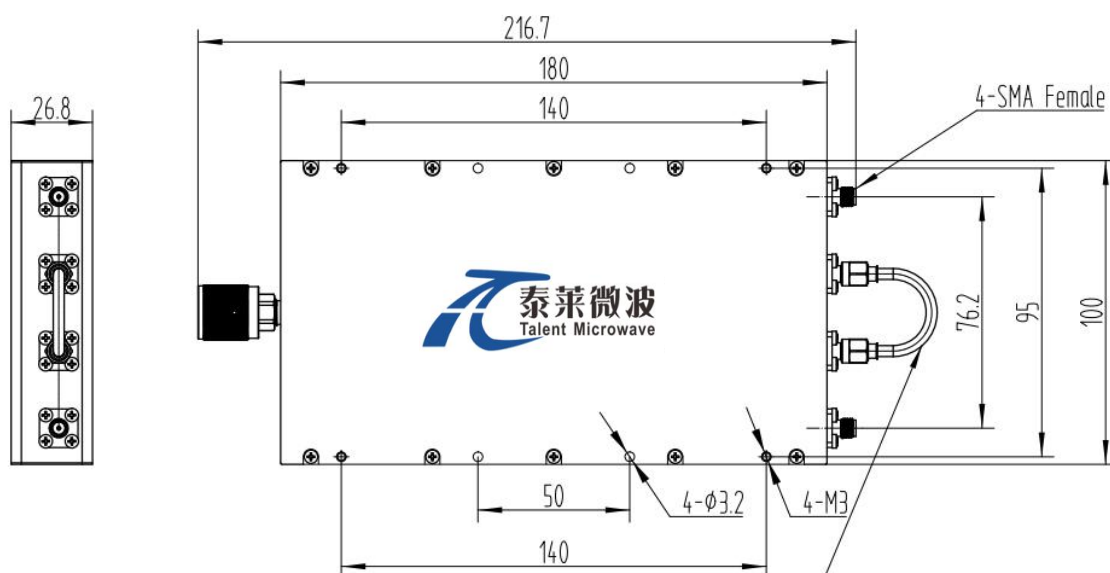
Apply 1: Assemble semi-rigid cable,set one channel of phase adjustment range from 0~180° ;

Apply 2: Without semi-rigid cable,set two channels of phase adjustment range from 0~90° .

环境和机械特性 Envirionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
接口 Connectors	SMA Female/SMA Female	
尺寸 Size	180*100*26.8	mm

外形图 Outline Drawing: Unit:mm



The phase adjustment range of this semi-rigid assembly is 180° at 1 GHz.
After removal, it can be divided into two groups, with a phase adjustment range of 90° at 1 GHz.

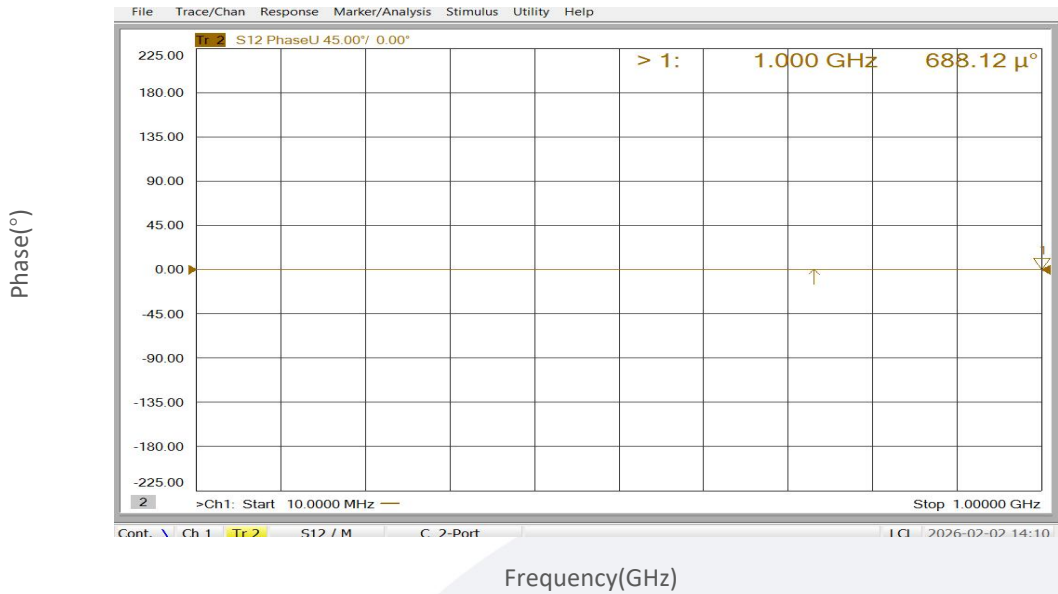
订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLMP5-8G-180-S	Adjustable Phase Shifter, DC-8GHz,Phase adjustment: 4.8° per GHz.	Rev.1.0

典型曲线 Typical Performance Data:

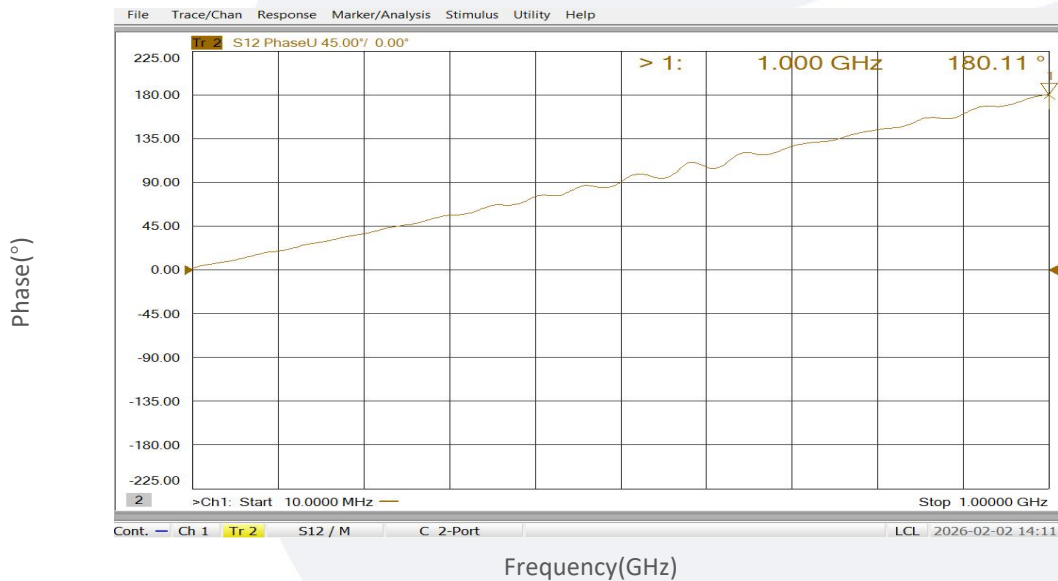
0° :

Phase vs Frequency



180° :

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.