泰莱微波
Talent Microwave

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Adjustable Phase Shifter

DC-3GHz/3.5mm Female

Model: TLMPS-3G-180-S

TLMPS-3G-180-S is a phase shifters is adjustable passive microwave devices designed for RF applications.TLMPS-3G-180-S have a phase range of 0° to 180° and a phase adjustment of 4.8° per GHz.

Features:

- Operating Frequency DC to 3GHz
- 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		3	GHz
耐受功率 Power Handling		50		W
阻抗 Impedance		50		Ohms
应用1 Apply 1	Assemble semi-rigid cable,set one channel of phase adjustment range from 0~180°			
驻波 VSWR		1.3	1.35	:1
插损 Insertion Loss		0.8	0.9	dB
相位调节范围 Phase adjustment range	0		180	°/GHz
相位灵敏度 Phase Sensitivity		4.8 x f(GHz)		°/Circle
群时延 Group Delay		500		ps
应用2 Apply 2	Assemble semi-rigid cable,set one channel of phase adjustment range from 0~90°			
驻波 VSWR		1.15	1.25	:1
插损 Insertion Loss		0.35	0.45	dB
相位调节范围 Phase adjustment range	0		90	°/GHz
相位灵敏度 Phase Sensitivity		2.4 X f(GHz)		°/Circle
群时延 Group Delay		250		ps

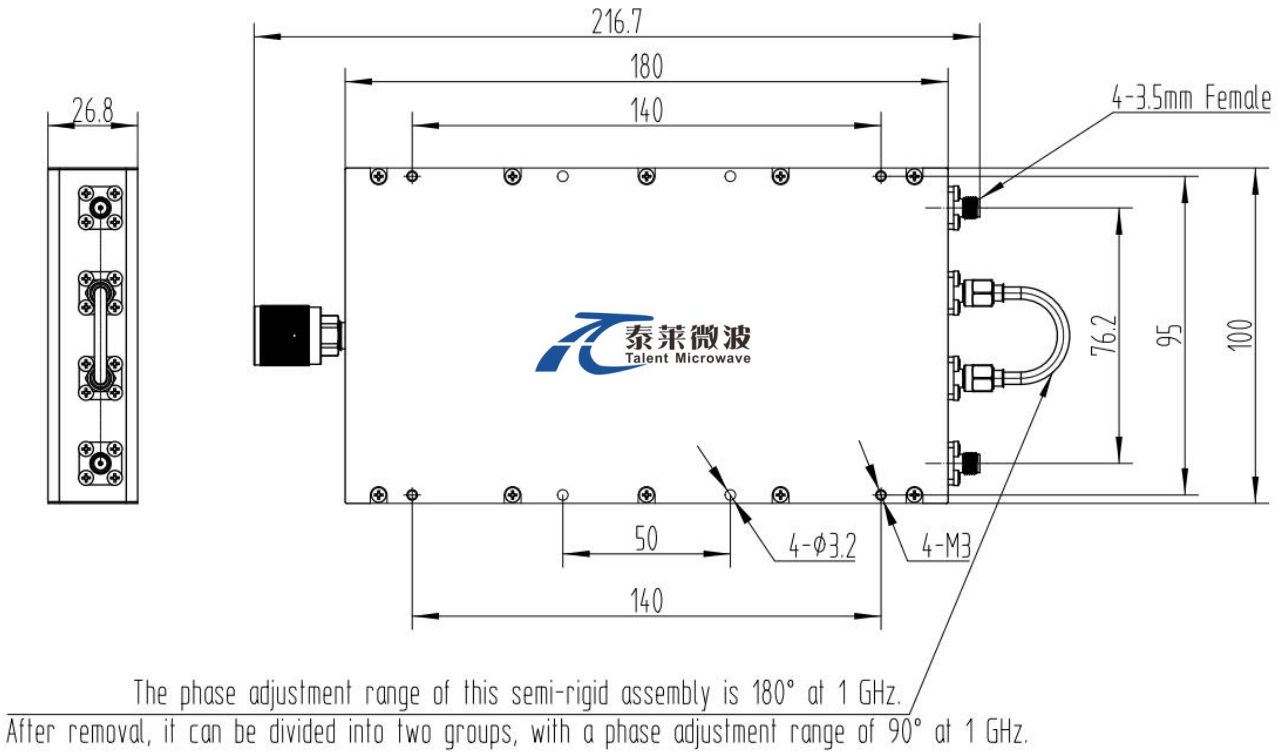
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环境和机械特性 Envrionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
接口 Connectors	3.5mm Female/3.5mm Female	
尺寸 Size	180*100*26.8	mm

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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:

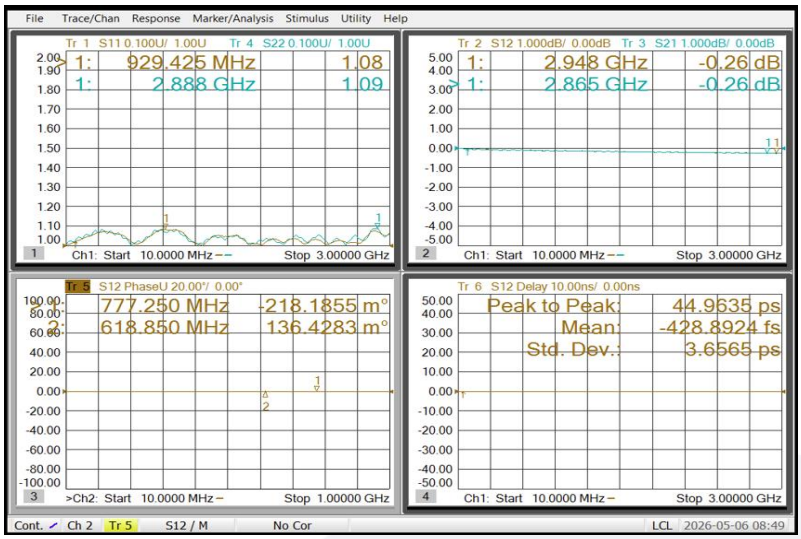
标准型号 Base Number	描述 Description	版本号 Revision
TLMPS-3G-180-S	Adjustable Phase Shifter, DC-3GHz,Phase adjustment: 4.8° per GHz.	Rev.1.0

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典型曲线 Typical Performance Data:

0°：

VSWR&Phase&Group Delay vs Frequency

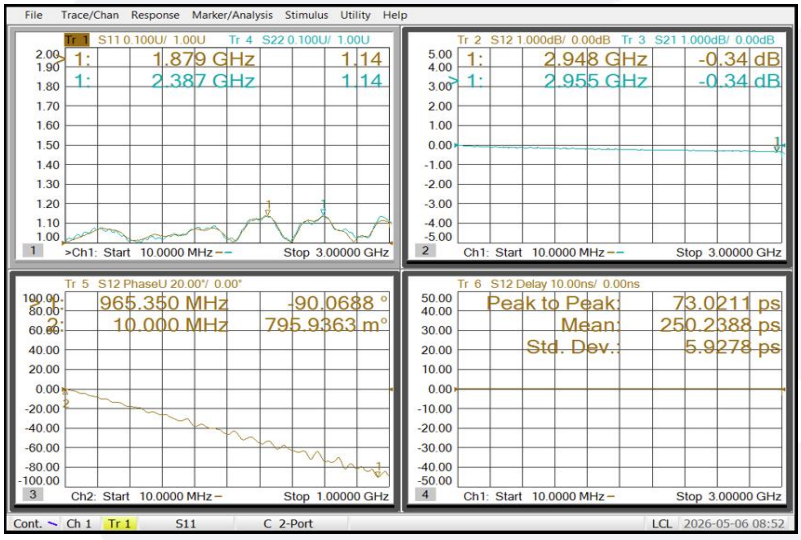


VSWR&Phase(°)Group Delay

Frequency(GHz)

90°：

VSWR&Phase&Group Delay vs Frequency



VSWR&Phase(°)Group Delay

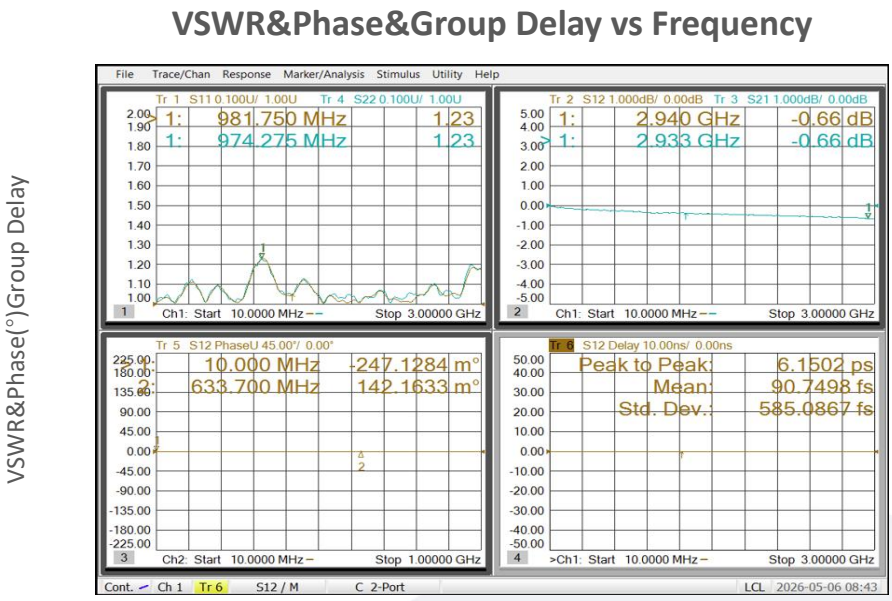
Frequency(GHz)

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.

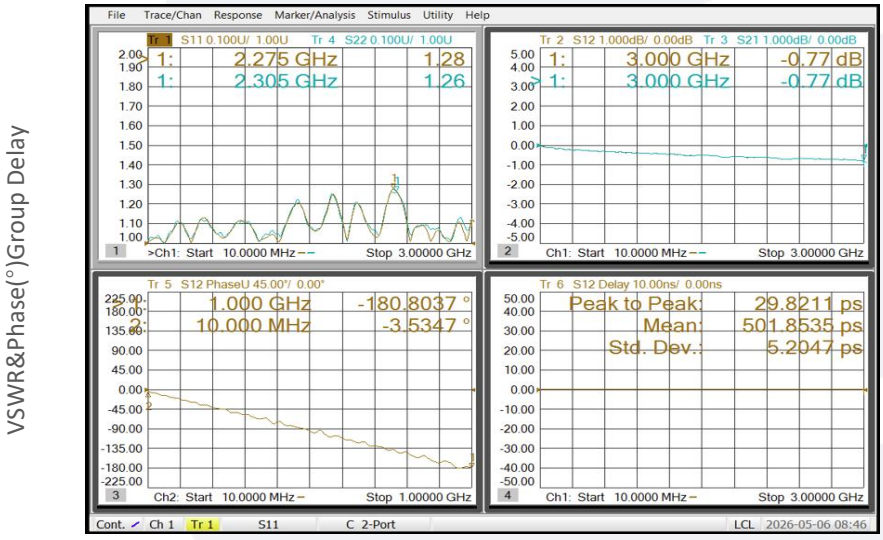
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典型曲线 Typical Performance Data:

0°：



180°：



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.