

Model: TLVP18G26.5G-360
**Voltage Controlled Phase Shifter
 18-26.5GHz ,2.92 Female**
Feature:

- Frequency Range: 18-26.5GHz
- High Phase Shift Accuracy
- High Phase Shift Range
- Single Positive Control Voltage

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	18-26.5			GHz
Phase Range		360		°
Insertion Loss	10			dB
Input VSWR		2		:1
Output VSWR		2		:1
Control Voltage Range	0		16	V
Control Current		1		mA
Impedance	50			Ohms

Mechanical Specifications:

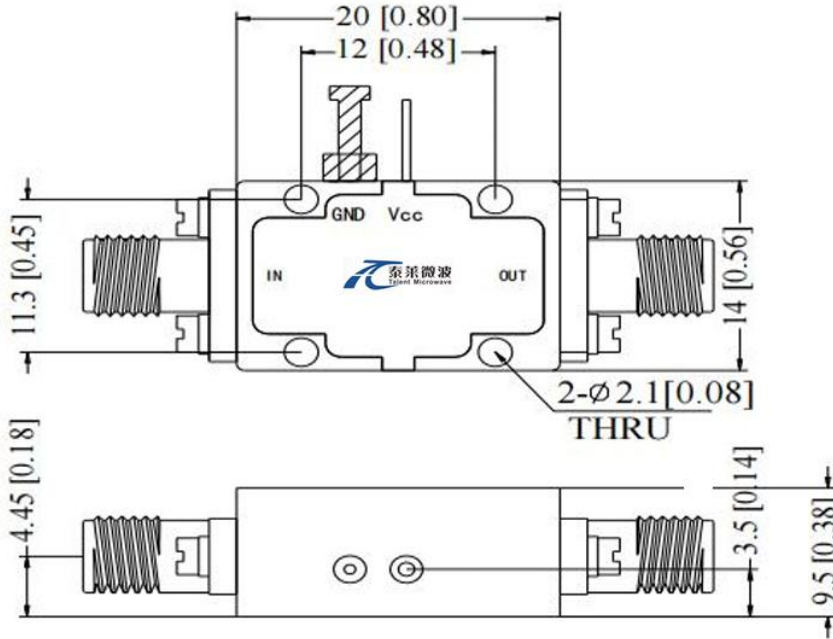
Parameter	Value	Units
Input /Output Connector	29.2mm Female/29.2mm Female	
Size	20*14*9.5	mm
Weight	15	g

Absolute Maximum Ratings:

Parameter	Value
Control Voltage Range	+16V
RF Input Power No damage	+16 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20g for 11msec half sin wave,3 axis both directions			

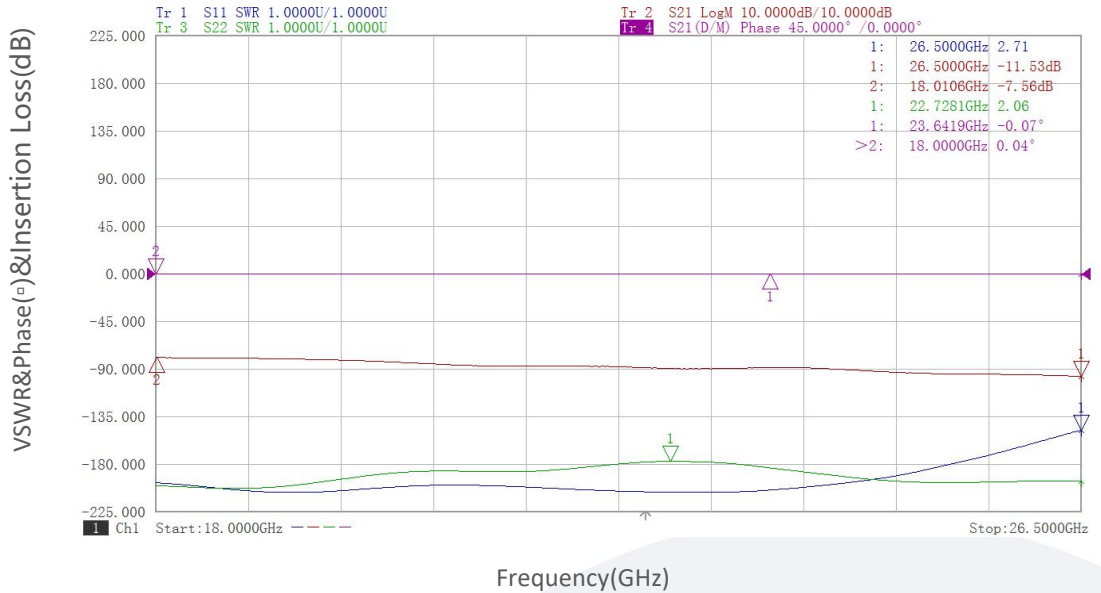
Ordering Information:

Part Number	Description	Revision
TLVP18G26.5G-360	Voltage Controlled Phase Shifter ,18-26.5GHz,2.92mm Female	Rev.1.1

Typical Performance Data:

0V:

VSWR&Phase&Insertion Loss vs Frequency



0.1V:

VSWR&Phase&Insertion Loss vs Frequency

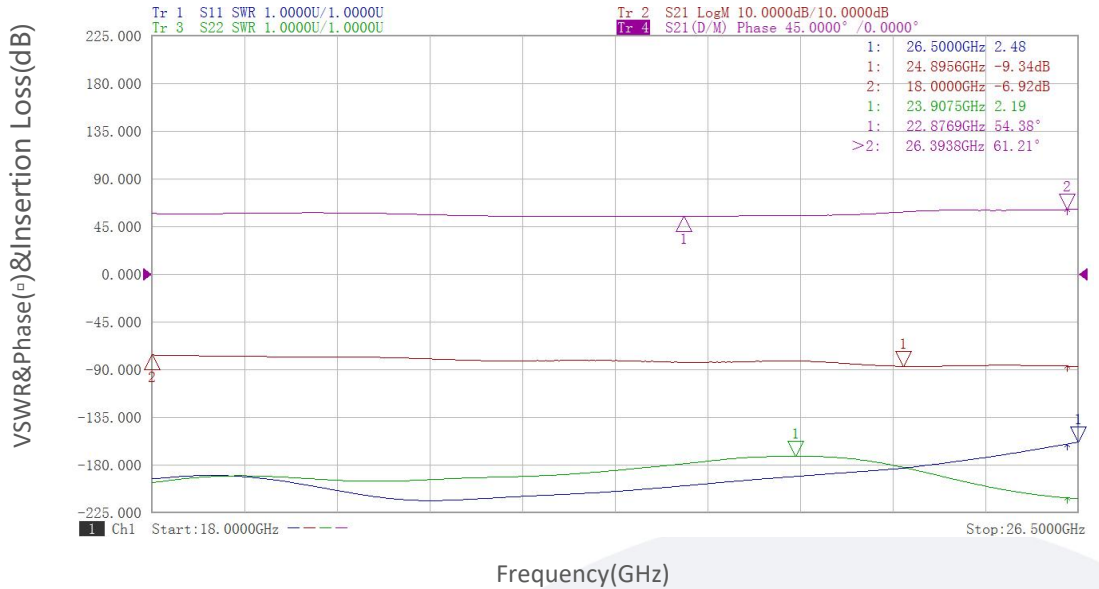


Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

Typical Performance Data:

1V:

VSWR&Phase&Insertion Loss vs Frequency



4V:

VSWR&Phase&Insertion Loss vs Frequency

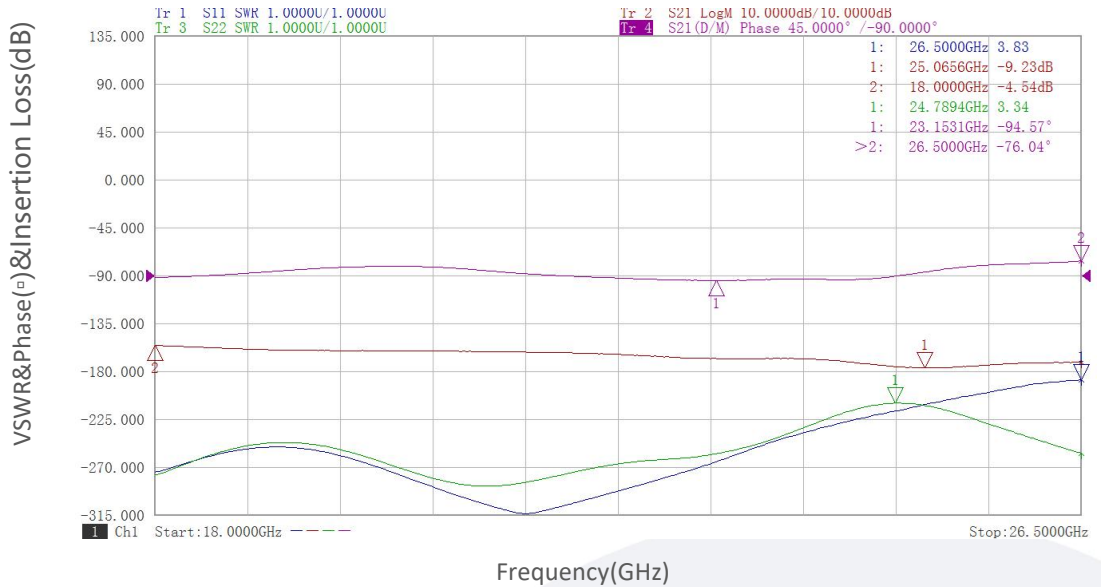


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Typical Performance Data:

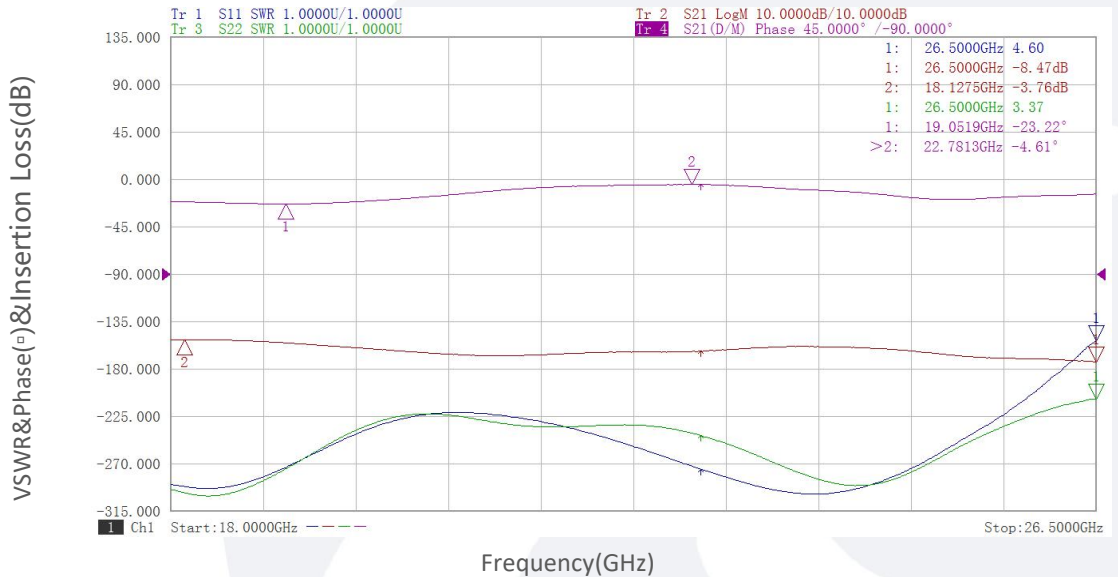
8V:

VSWR&Phase&Insertion Loss vs Frequency



12V:

VSWR&Phase&Insertion Loss vs Frequency

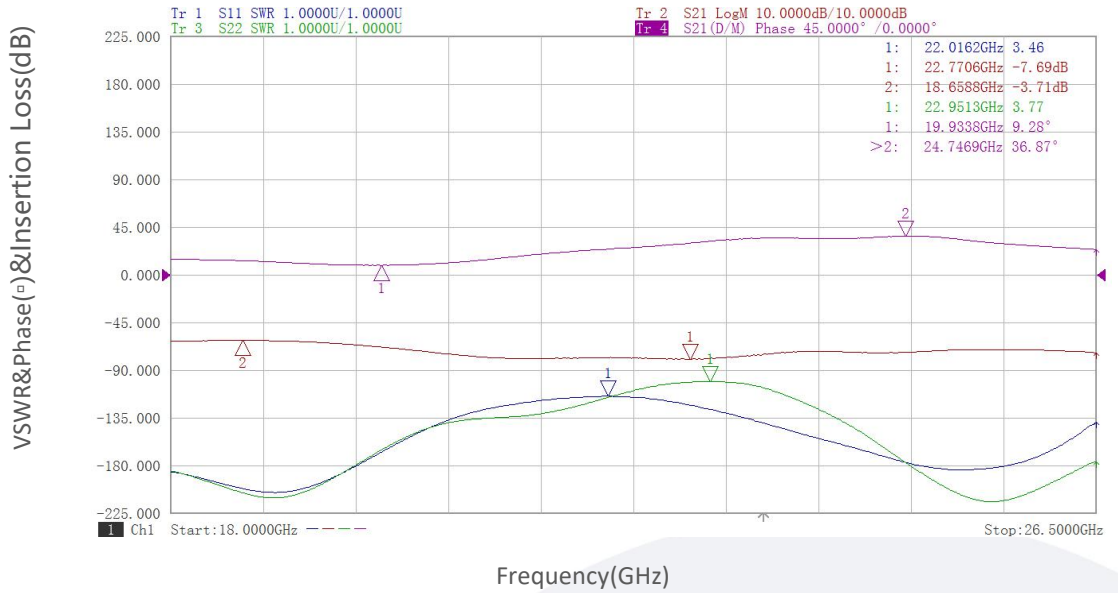


Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

Typical Performance Data:

16V:

VSWR&Phase&Insertion Loss vs Frequency



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