

## Voltage Controlled Phase Shifter

0-5V/0-40° /5.5-5.7GHz

Model: TLVP5.5G5.7G-40-5

TLVP5.5G5.7G-40-5 is a coaxial voltage-variable shifter providing precise 40° phase control from 5.5-5.7 GHz. This model achieves a low insertion loss 4dB and a good VSWR 2.5:1. It features a control bandwidth from 5.5 to 5.7G and a control voltage range of 0 to +5V. The unit is housed in a compact aluminum alloy case with SMA connectors and a built-in base mounting bracket.

### Features:

- Frequency range: 5.5-5.7GHz
- High Phase Shift Accuracy
- High Phase Shift Range
- Single Positive Control Voltage

### Applications:

- Communications antennas
- Phased array radars

### Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	5.5		5.7	GHz
Phase Range		40		°
Insertion Loss		4		dB
Output VSWR		2.5		:1
Power Voltage		+5		V
Control Voltage Range	0		5	V
Control Current		100		uA
Phase Flatness		±5		°
Switching Time		300		ns
Impedance		50		Ohms

### Absolute Maximum Ratings :

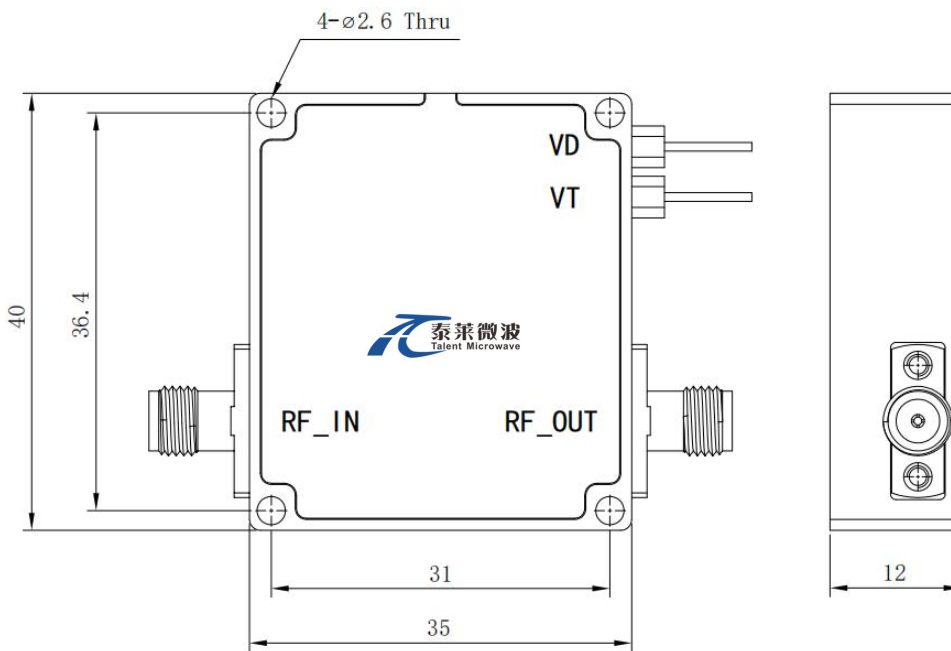
Description	Parameter	Units
Control Voltage	+5	V
RF Input Power	20	dBm
ESD sensitivity (HBm)	Class 0, passed 150V	

## Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	-45 To +85	°C
Storage Temperature	-55 to +125	°C
Material	Al	
Finish	Gold Plated	
Input /Output Connector	SMA Female	

## Outline Drawing:

Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

Base Number	Description	Revision
TLVP5.5G5.7G-40-5	Voltage Controlled Phase Shifter , 5.5-5.7GHz,SMA	Rev.1.0