

# AT-APS-0618-720

Analog Phase Shifter, 6-18GHz, 720 degree

## 6-18GHz 720Degree Analog Phase Shifter



### Description:

The AT-APS-0618-720 is Analog Phase Shifter which is controlled via an analog control voltage from 0 to +15V.

It provides a continuous variable phase shift of 0 to 720 degrees from 6GHz to 18GHz with consistent insertion loss versus phase shift. The phase shift is monotonic with respect to control voltage.

More information, please visit [www.atmicrowave.com](http://www.atmicrowave.com)

### Feature

- ✓ Wide Band Operation 6-18GHz
- ✓ 720degree Phase Shift
- ✓ Low Insertion Loss
- ✓ Single Control Operation
- ✓ Customized Available

### Application

- ✓ Point to Point Radios
- ✓ VSAT Radios
- ✓ Test Equipment
- ✓ Fiber Optic
- ✓ Military and Space

### Electronical Specifications:

Parameter	Min	Typical	Max	Unit
Frequency Range		6-18		GHz
Phase Range	600	720		Degree
Insertion Loss		-10	-15	dB
Return Loss		-10		dB
Control Voltage		0-15		V
Control Current		10		uA
Response Time		0.14		us
Temperature Sensitivity		0.4		Degree/C
Spec Temp		25C		





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## Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Copper
Finish	Gold Plated
Package Sealing	Epoxy Sealed
Weight	80g
Size:	See outline

## Absolute Maximum Ratings Table

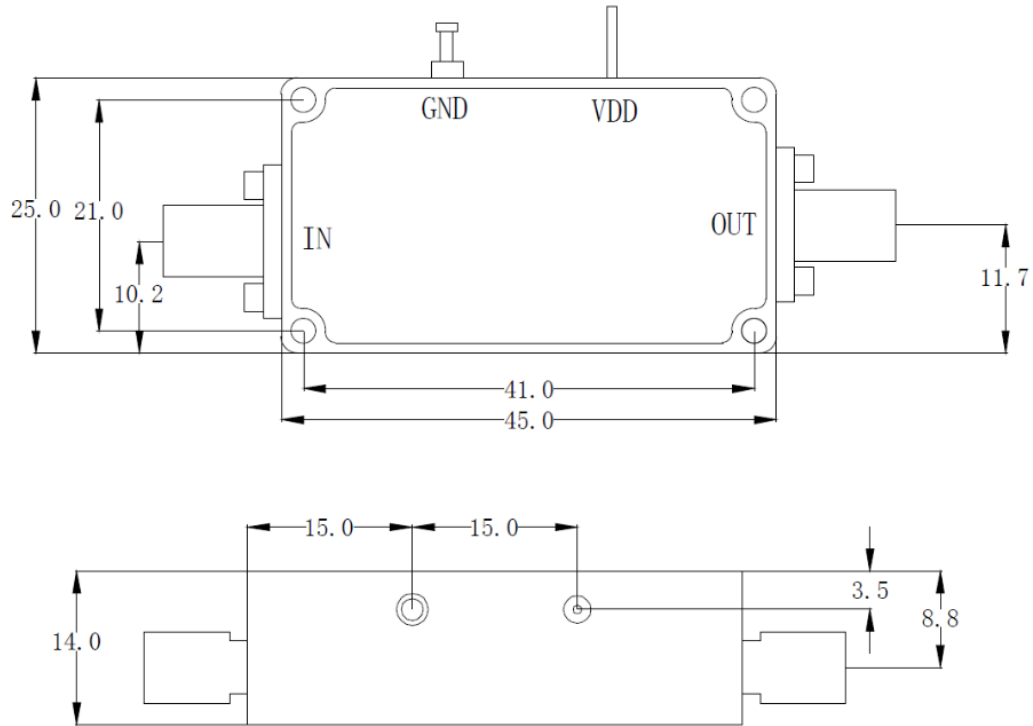
Parameter	Value
Control Voltage	-0.5 to +18V
RF Input Power	+15dBm
Operating Temperature	-40 to +85C
Storage Temperature	-65 to +150C
ESD Sensitive(HBM)	Class 1B

### Notes:

- ✓ Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
- ✓ This data is only for reference, not for guaranteed specifications.
- ✓ Please contact AT Microwave team to make sure you have the most current data.
- ✓ Always pay attention to the temperature of the case, heatsink and fan are required if case temperature exceeds over 50C.



**Dimension:** (unit in mm)



	<26.5GHz	<40GHz	<50GHz	<67GHz
Connector	SMA	2.92mm	2.4mm	1.85mm
Length of a	9.4mm	9.5mm	10.8mm	11.3mm

Note: Female Default. Contact with us for other types.

