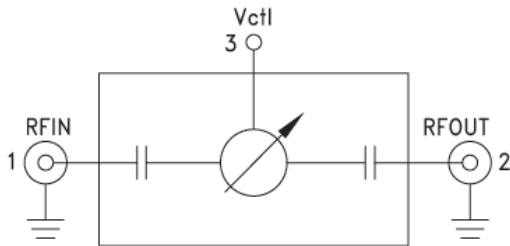


5-18GHz 180Degree Analog Phase Shifter

Description:

The AT-APS-0518-180 is an Analog Phase Shifter which is controlled via an analog control voltage from 0 to +13V.

It provides a continuously variable phase shift of 0 to 180 degrees from 5GHz to 18GHz with consistent insertion loss versus phase shift. The phase shift is monotonic with respect to control voltage.



Feature

- ✓ Wide Band Operation 5-18GHz
- ✓ 180degree Phase Shift
- ✓ Low Insertion Loss
- ✓ Single Control Operation
- ✓ Customized Available

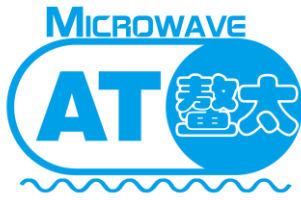
Application

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

Electronical Specifications:

Parameter	Min	Typical	Max	Unit
Frequency Range		5-18		GHz
Phase Range		180	220	Degree
Insertion Loss		-2.5		dB
Return Loss		-15		dB
Control Voltage		0-13		V
Control Current		1		uA
Sensitivity		18		Deg/V
Response Time		0.14		us
Temperature Sensitivity		0.1		Degree/C



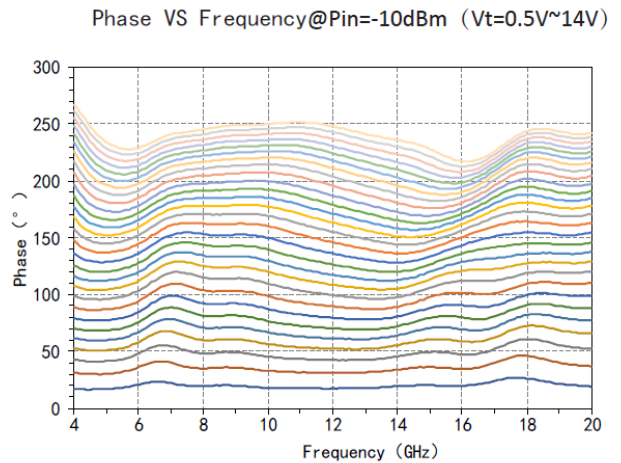
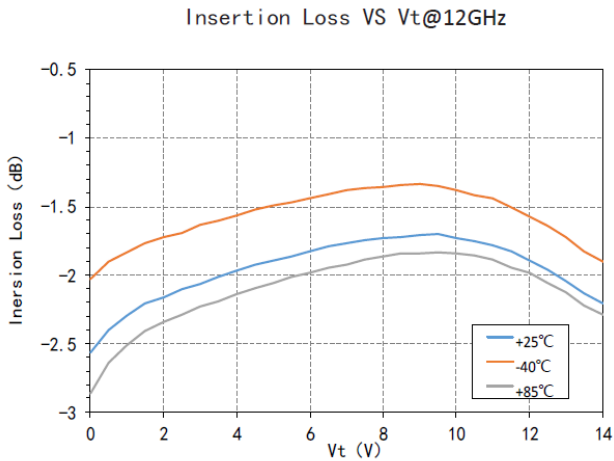
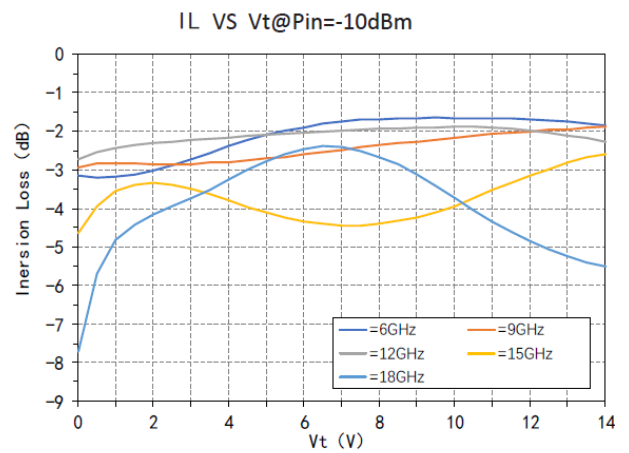
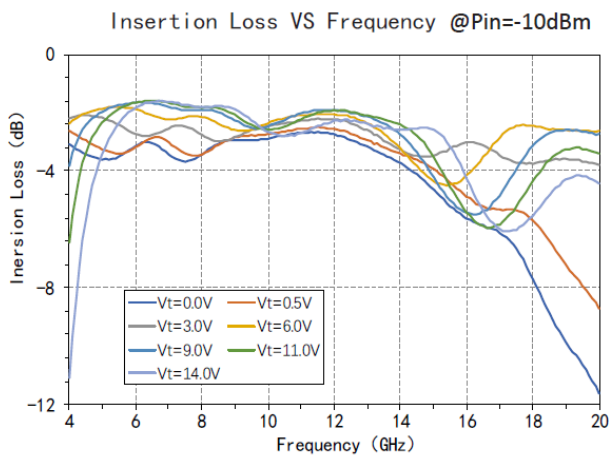


AT-APS-0518-180

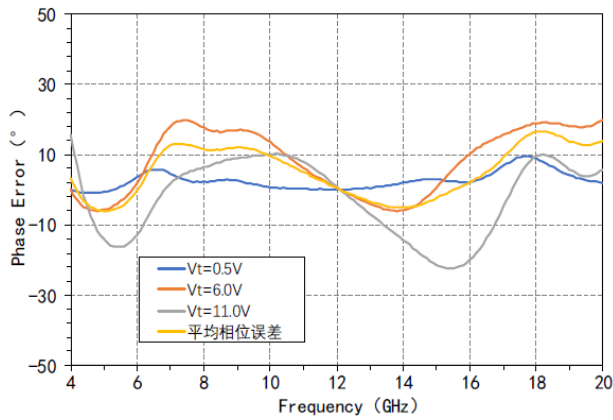
Analog Phase Shifter, 5-18GHz, 180 degree

Absolute Maximum Ratings Table

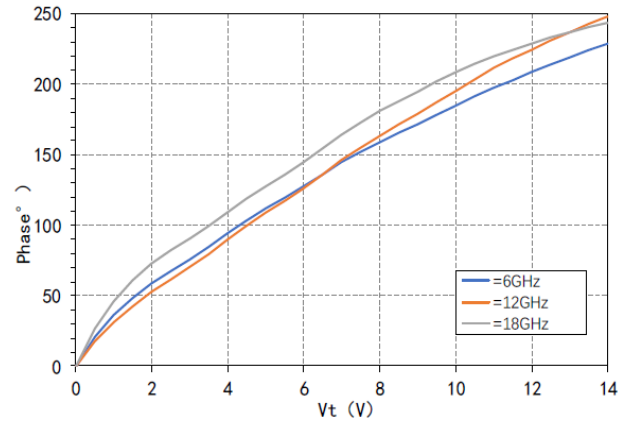
Parameter	Value
Control Voltage	-0.5 to +18V
RF Input Power	+15dBm
Operating Temperature	-40 to +85C
Storage Temperature	-65 to +150C
ESD Sensitive(HBM)	Class 1A



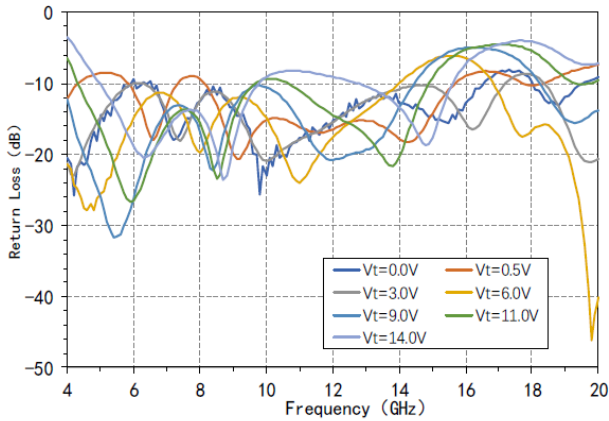
Phase Error VS Frequency @Pin=-10dBm



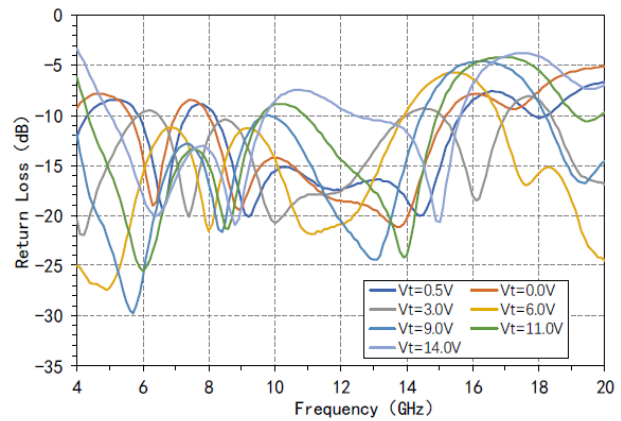
Phase VS Vt@Pin=-10dBm



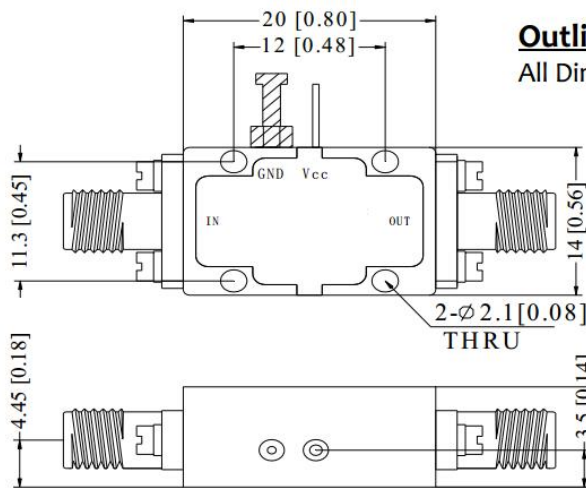
Input Return Loss@Pin=-10dBm



Output Return Loss@Pin=-10dBm



Dimension (TBD)



Outline Drawing:

All Dimensions in mm (inches)

