

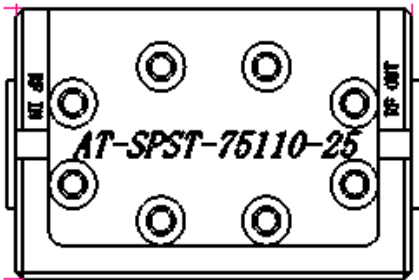
60-90GHz SPST and Attenuator

Description:

AT-SPST-6090-20 is a MMIC Based SPST (Single pole Single throw) switch covering 60-90GHz. It also can be used as an voltage controlled attenuator. This module offers a low insertion loss of -4 dB with typical isolation of -20dBc.

It also has good return loss from 60-90GHz band in both ON and OFF state. The input and output connectors are WR-12 Waveguide. Other connectors can be provided according to request.

More information, visit www.atmicrowave.com



Feature

- ✓ Frequency: 60-90GHz
- ✓ Low insertion Loss, -4 dB
- ✓ High isolation: -20dBc
- ✓ Very fast speed

Application

- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System
- ✓ Telecom Communication

Electronical Specifications:

Parameter	Min	Typical	Max
Frequency(Note1)		60-90GHz	
Insertion Loss		-4dB	-5
Attenuation Range as Attenuator		20dB	
Isolation		-20 dBc	
Control Voltage		-1.2 and 0 V	
Power Consumption		0mW	
RF Port		WR-12	
Bias Port		Feed Through Pin	
Dimension		30X20X20mm	



Absolute Maximum Ratings Table

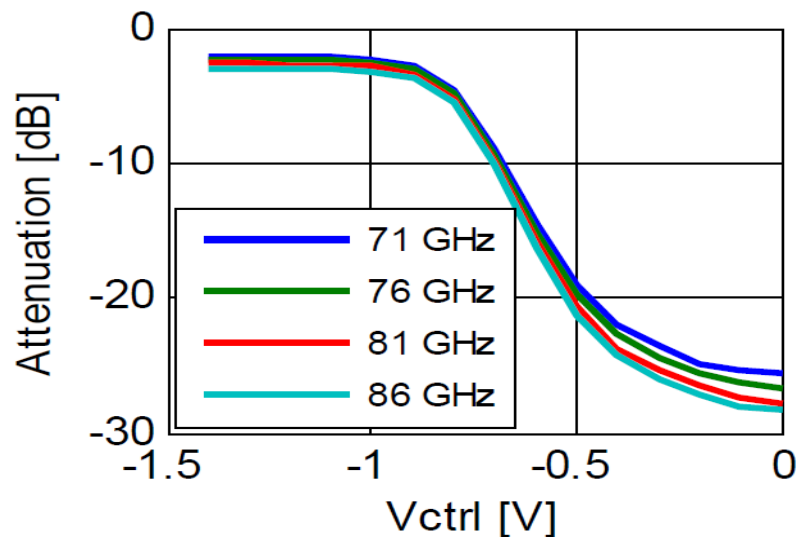
Parameter	Value
Control Voltage	-2 to 0.7V
RF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

SPST Truth Table

VT	RFC to RF1
-1.2V	ON
0	OFF

Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



Attenuation Range as attenuator



Dimension (mm)

Following dimension is from AT-SPST-75110-20, just for reference.
Contact with us for dimension when place order.

