

## STP-18-03-M1-C-1.2

### WR-03 Compact Micrometer Driven Phase Shifter

**STP-18-03-M1-C-1.2** is a WR-03 compact micrometer driven phase shifter that covers the frequency range from 220 to 330 GHz. The phase shifter features a high resolution precision micrometer which allows for finer adjustment sensitivity than a standard micrometer. The phase shifter is an ideal piece of equipment in waveguide systems where broadband phase shifting is required. The phase shifter exhibits a 2.5 dB typical insertion loss and an adjustable phase range of up to 180 degrees.



#### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	220 GHz		330 GHz
Insertion Loss		2.5 dB	
Phase Shifting Range	0°		180°
Return Loss		20 dB	
Power Handling			100 mW (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

#### Mechanical Specifications:

Item	Specification
RF Ports	WR-03 Waveguide with UG-387/U-M Anti-Cocking Flange
Setting Type	Micrometer Head
Insertion Length	1.20"
Material	Aluminum
Finish	Gold Plated
Weight	3.5 Oz
Outline	TA-M03-A-1.2

#### ECCN

EAR99

#### FEATURES

- Full Band Coverage
- Compact Size
- High Resolution Micrometer
- Low Insertion Loss

#### APPLICATIONS

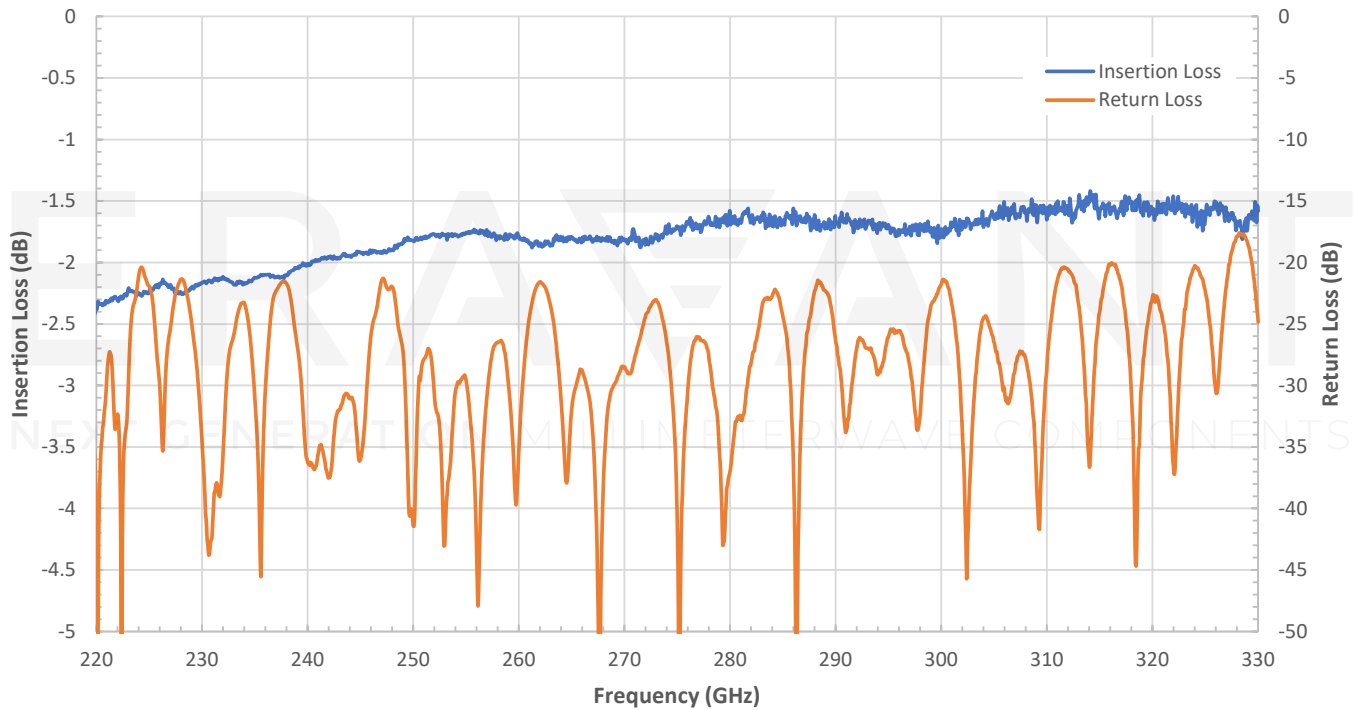
- Test Lab
- Instrumentations
- Manual Test Set

#### SUPPLEMENTAL DETAILS





### Typical Measured Performance vs Frequency



# ERAVANT

NEXT GENERATION MILLIMETERWAVE COMPONENTS