

Model 917 Miniature In-Line Phase Shifters

**dc to 20.0 GHz
200 Watts**

Ruggedized 2.92mm Connector



Features

- /// **Self Locking** - Internal mechanism eliminates the need for a locking nut. Ideal for phase trimming in densely packaged systems with minimum accessibility.
- /// **Linear** - Provides a linear adjustable phase shift to 20 GHz in a very small in-line coaxial package.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 20.0 GHz

INCREMENTAL PHASE SHIFT: Adjustable to 225° @ 20 GHz; 100° at 9 GHz.

RESOLUTION: 0.5° per turn per GHz, typical
(Adjustment shaft has 20 turns for full range).

INSERTION PHASE: 890° @ 10 GHz (Typical)

PHASE VS FREQUENCY: Nominally linear response

INSERTION LOSS: 0.8 dB maximum
(0.5 dB typical @ 20 GHz)

MAXIMUM SWR:

Frequency Range (GHz)	SWR
dc - 20	1.5

POWER RATING: 200 watts average

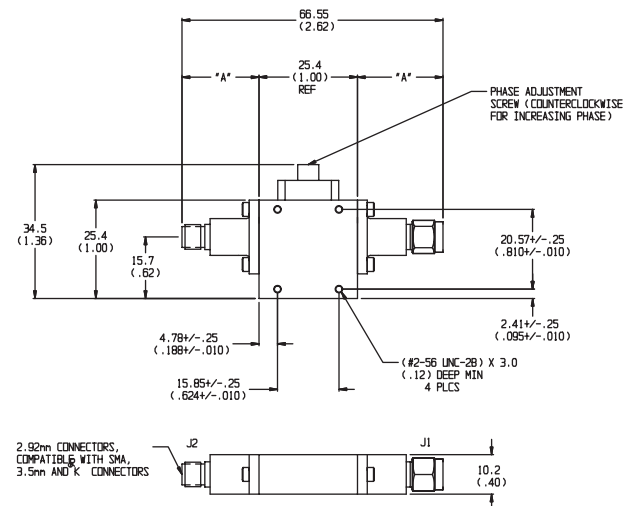
TEMPERATURE RANGE: -55°C to 125°C.

CONNECTOR: 2.92mm connector compatible with SMA, 3.5mm and K® connector. Available connector options are:

Connector Options	Type/Description
1	2.92mm, Female
2	2.92mm, Male

WEIGHT: 45 g (1.6 oz)

PHYSICAL DIMENSIONS:



CONN TYPE	DIM A
Female	19.81 (0.78)
Male	21.34 (0.84)

NOTE:

1. All dimensions are given in mm (inches) and are nominal ± 0.5 (0.02), unless otherwise specified.
2. K® is a registered trademark of the Anritsu-Wiltron 2.92 mm connector.

MODEL NUMBER DESCRIPTION:

Example:

917 - XX

Basic Model
Number

Connector Options*
1st digit is J1 side
2nd digit is J2 side