

Mechanical Phase Shifters

Model 981

3.5mm Connectors

Features

- **Broadband Frequency Coverage:** Operates from dc to 18 GHz, usable to 20 GHz
- Ideally suited for delay line applications in optical and RF Networks
- Easily adapts to motorized control configurations
- Designed for long mechanical cycle life

Specifications

| | |
|-------------------------------------------|---------------------------|
| Nominal Impedance: | 50 Ω |
| Frequency Range: | dc to 18.0 GHz |
| Incremental Phase Shift (Typical): | 60° /GHz |
| Insertion Phase: | 1350° @ 9.0 GHz (typical) |
| Insertion Loss (dB): | 0.5 + 0.035 f(GHz) |

Maximum SWR:

| Frequency Range (GHz) | SWR |
|-----------------------|-----|
| dc - 10 | 1.6 |
| dc - 18 | 1.8 |

RoHS

dc to 18.0 GHz
50 Watts



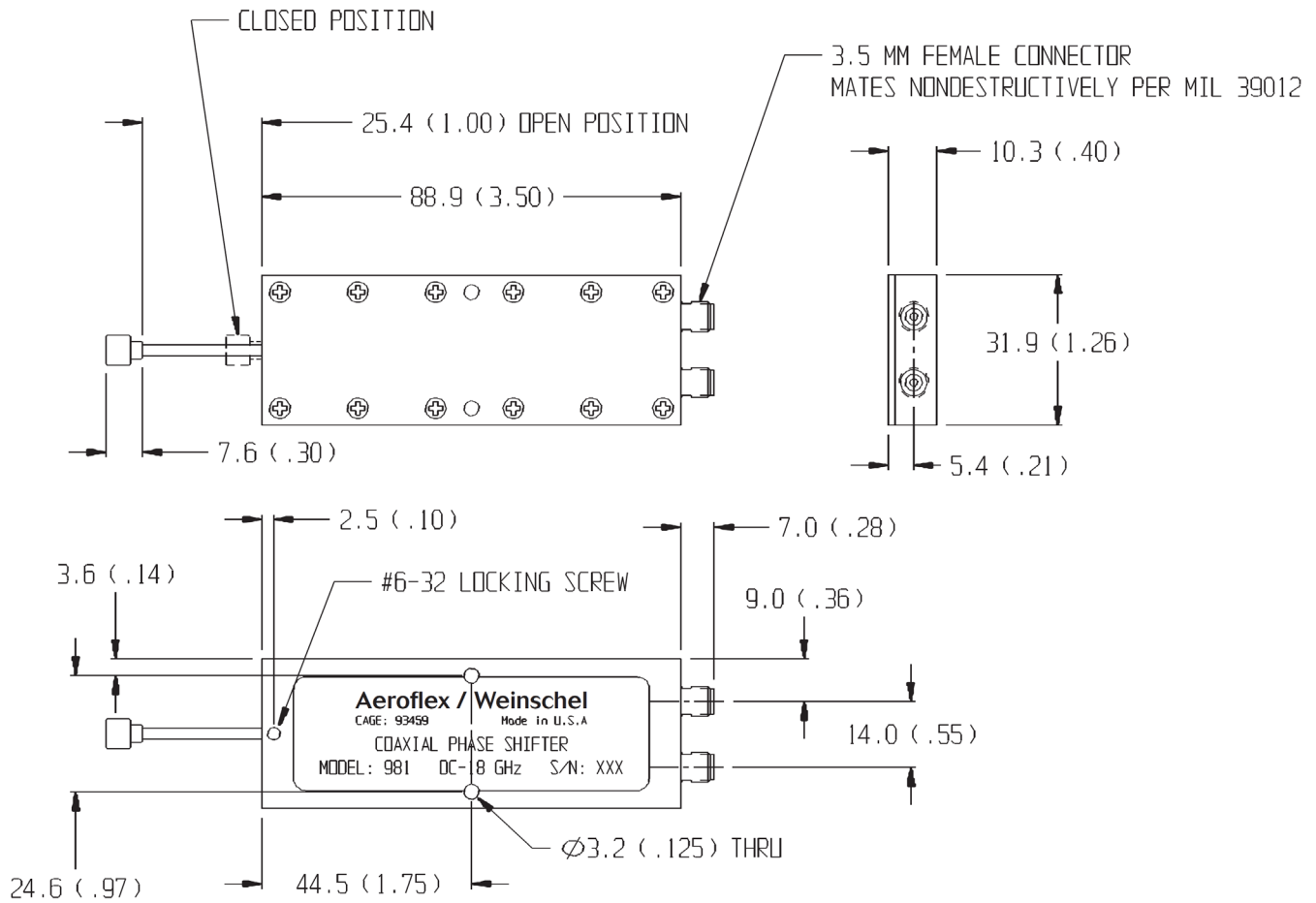
| | |
|---------------------------|--------------------------------------------------------------------------------------|
| Power Rating: | 50 watts average, 1 kW peak |
| Temperature Range: | -50°C to 100°C |
| Connectors: | 3.5mm female connectors compatible with 3.5mm, SMA, SMK and other 2.92mm connectors. |
| Weight : | 80 g (2.84 oz) |

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dc to 18.0 GHz
50 Watts

Physical Dimensions:



NOTE: All dimensions are given in mm (inches) and are maximum unless otherwise specified.