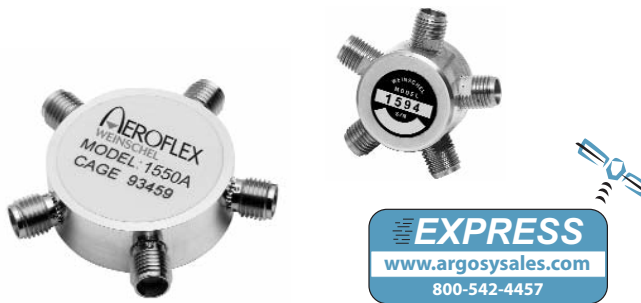


## Model 1550A Model 1594 4-WAY Resistive Power Dividers

Subminiature, SMA/3.5mm Connectors



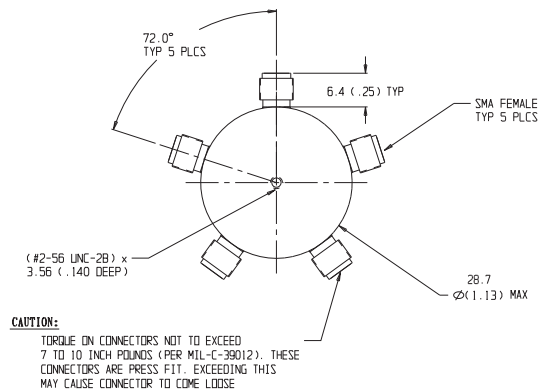
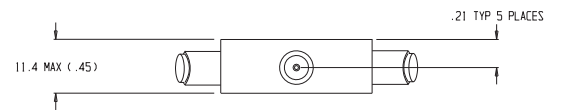
### MAXIMUM SWR:

Model No.	SWR
1550A	1.25
1594	1.30

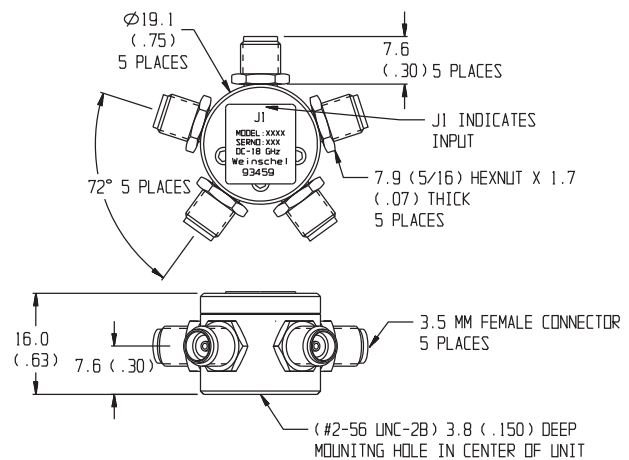
**WEIGHT:** 1550A: 28 g (1.0 oz) maximum  
1594: 30 g (1.05 oz) maximum

### PHYSICAL DIMENSIONS:

#### Model 1550A:



#### Model 1594:



### NOTE:

- All dimensions are given in mm (inches) and are maximum, unless otherwise specified.
- Unit available with RoHS compliant materials, specify when ordering.

### Features

- /// **Broadband Performance.**
- /// **Excellent Tracking Between Ports.**
- /// **Miniature Size and Light Weight.**
- /// **Wireless Applications** - Model 1550A is specifically designed for use in the wireless communications bands.

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** 1550A: dc to 3.0 GHz (usable to 5 GHz)  
1594: dc to 18.0 GHz

### INSERTION LOSS\*:

Model 1550A: 12 dB nominal, 13.5 dB maximum  
Model 1594: 12 dB nominal, 14.5 dB maximum  
\* input port to any output port with all other terminated.

**MAXIMUM INPUT POWER:** 1550A: 1 watt CW  
1594: 2 watts CW

### AMPLITUDE & PHASE TRACKING (Maximum):

Model No.	Frequency (GHz)	Tracking*	
		Amplitude	Phase
1550A	dc - 3	±0.5 dB	±10°
1594	dc - 12	<2.0 dB	<30°
	12 - 18	<2.5 dB	<50°

\*Between output ports.

**NUMBER OF PORTS:** 1 input and 4 outputs

**TEMPERATURE RANGE:** -55°C to +100°C

**CONNECTORS:** Model 1550A: SMA female connectors all ports--mate nondestructively with other SMA, 2.92mm and 3.5mm connectors.

Model 1594: 3.5mm female connectors all ports--mate non-destructively with other SMA, 2.92mm and 3.5mm connectors.