

# Power Dividers, Resistive 2.9mm

**Up to 26.5 GHz**

MODELS: 6005-01, 6005-02, 6005-03

## Technical Specifications

Parameter	Value
<i>Electrical</i>	
Frequency Range	See below
Input VSWR	See below
Impedance	50 Ohms
Insertion Loss	See below
Phase Tracking	See below
Input Power	1 Watt avg. @ 25°C Derated linearity to 0 Watts @+125°C
Operating Temp. Range	-65°C to +125°C

Parameter	Value
<i>Mechanical</i>	
2.9mm Connectors Mates both mechanically and electrically with all SMA, K* and 3.5mm series connectors.	Passivated Stainless Steel
Conductors	Gold Plated Beryllium Copper
Housing	Passivated Stainless Steel

\*K is a trademark of Wiltron Corp.

### Model Number 6005-01

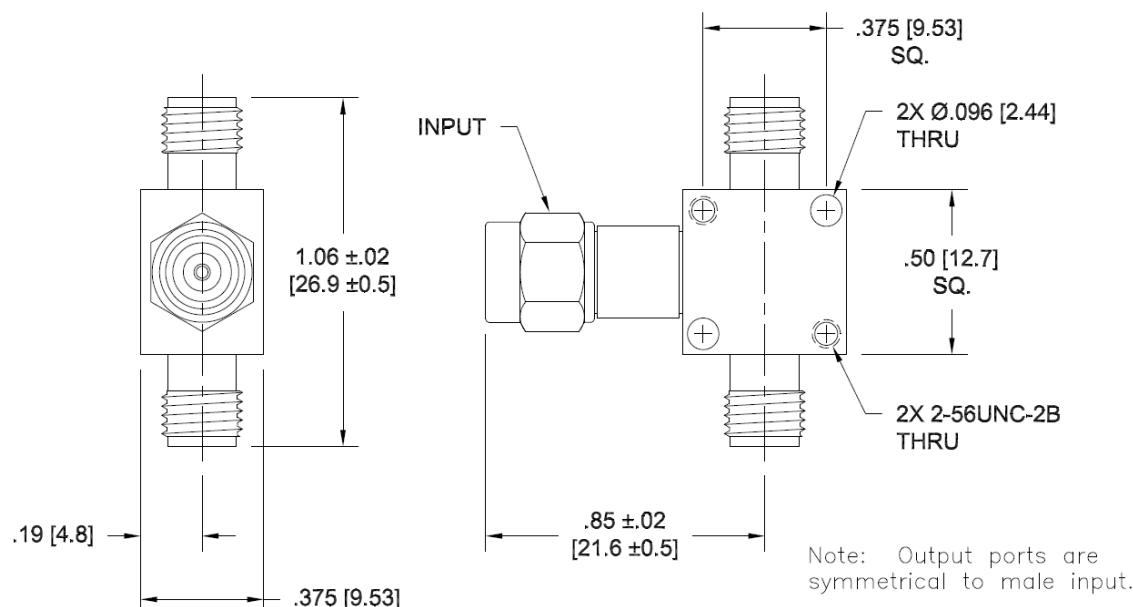
Freq. Range: DC-12.4 GHz  
 Input VSWR: 1.20:1 max.  
 Insertion Loss: 6 dB nominal  
 Phase Tracking:  $\pm 2^\circ$   
 (between output ports)  
 Amplitude Tracking: 0.4 dB

### Model Number 6005-02

Freq. Range: DC-18 GHz  
 Input VSWR: 1.30:1 max.  
 Insertion Loss: 7.5 dB nominal  
 Phase Tracking:  $\pm 3^\circ$   
 (between output ports)  
 Amplitude Tracking: 0.5 dB

### Model Number 6005-03

Freq. Range: DC-26.5 GHz  
 Input VSWR: 1.40:1 max.  
 Insertion Loss: 8.5 dB nominal  
 Phase Tracking:  $\pm 4^\circ$   
 (between output ports)  
 Amplitude Tracking: 1 dB



\*\*Dimensions in brackets are expressed in millimeters and are for reference only.

sales@am.spectrumcontrol.com

Approved for Release: November 2024/Brown

Spectrum Control reserves the right to make changes to datasheets at any time without notice.