

**SPECIFICATION SHEET****JFW MODEL 50BR-147****BENCH TOP ROTARY ATTENUATOR**

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Frequency Range DC-3000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-110 dB in 1 dB steps

VSWR  
1.9:1 maximum  
1.7:1 typical (up to 20 dB)  
1.6:1 typical (up to 50 dB)  
1.2:1 typical (up to 110 dB)

Attenuation Accuracy  
1 dB steps:  $\pm 0.5$  dB maximum  
10 dB steps:  $\pm 1.0$  dB or 4% maximum  
 $\pm 0.5$  dB or 2% typical

Insertion Loss  
3.0 dB maximum  
0.8 dB typical @ 700 MHz  
2.2 dB typical @ 3000 MHz

RF Input Power  
2 Watts average  
1000 Watts Peak

Direction of Rotation Attenuation increases in a Clockwise direction

Indexing  
30 degrees with stops at  
Minimum and maximum

RF Connector N, SMA or TNC

Available Model Numbers  
50BR-147 N (N female/female)  
50BR-147 SMA (SMA female/female)  
50BR-147 TNC (TNC female/female)

Operating Temperature Range -20°C to +85°C

Lifetime 500,000 attenuation steps (each knob)

Outline Drawing Number 092-6147 (50BR-147 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/22/2016		TRS 04/22/2016				
28157	10/05/2017	A	TRS 10/05/2017				
30503	07/02/2020	B	TRS 07/02/2020				