

**SPECIFICATION SHEET**

**JFW MODEL 50R-029**

**ROTARY ATTENUATOR**

JFW Industries, Inc.  
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Frequency Range DC-2200 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-70 dB in 10 dB steps

VSWR 1.2:1 maximum DC-1000 MHz  
1.4:1 maximum 1000-2200 MHz

Insertion Loss 0.3 dB maximum DC-1000 MHz  
0.5 dB maximum 1000-2200 MHz

Attenuation Accuracy ± 0.5 dB or 1% DC-500 MHz  
± 0.5 dB or 2% 500-1000 MHz  
± 0.5 dB or 3% 1000-2200 MHz  
(whichever is greater)

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 BNC, N, SMA, TNC or 4.1/9.5

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

Lifetime 500,000 attenuation steps

Knob/Panel Mounting Drawing 092-8435-01

Outline Drawing Numbers 092-428-01 (50R-029 BNC)  
092-428-02 (50R-029 BNC/SMA)  
092-428-03 (50R-029 N)  
092-428-04 (50R-029 N/SMA)  
092-428-05 (50R-029 TNC)  
092-428-06 (50R-029 TNC/SMA)  
092-428-07 (50R-029 SMA)  
092-428-08 (50R-029 N F/M)  
092-428-09 (50R-029 N M/F)  
092-428-10 (50R-029 TNC M/F)  
092-8368 (50R-029 4.1/9.5)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
17378	07/02/2009	D	TRS 07/02/2009	25732	09/10/2015	G	TRS 09/10/2015
18358	03/05/2010	E	TRS 03/05/2010	27541	02/07/2017	H	TRS 02/07/2017
25572	07/28/2015	F	TRS 07/28/2015	28157	10/05/2017	I	TRS 10/05/2017