

**SPECIFICATION SHEET**

**JFW MODEL 50DR-001**

**DUAL ROTARY ATTENUATOR**

JFW Industries, Inc.  
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Frequency Range DC-1000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-110 dB in 1 dB steps

VSWR 1.2:1 maximum DC-500 MHz  
1.4:1 maximum 500-1000 MHz

Insertion Loss 0.5 dB maximum

Attenuation Accuracy ± 0.3 dB (1 dB steps)  
(whichever is greater) ± 0.3 dB or 2% (10 dB steps)

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, SMA, TNC, N or RPT female  
RPT female = Reverse Polarity TNC female (female body/male pin)

Temperature Range -20°C to +85°C (operating)  
-55°C to +125°C (storage)

Lifetime 500,000 attenuation steps (each knob)

Knob/Panel Mounting Drawing 092-8435-02

Outline Drawings 092-1513-01 (50DR-001 BNC)  
092-327-01 (50DR-001 N)  
092-440-01 (50DR-001 SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
17251	05/26/2009	D	TRS 05/26/2009	28576	03/08/2018	G	TRS 03/08/2018
25776	09/29/2015	E	TRS 09/29/2015	28741	05/11/2018	H	TRS 05/11/2018
28157	10/05/2017	F	TRS 10/05/2017	33637	09/13/2024	I	TRS 09/13/2024