

**SPECIFICATION SHEET**  
**JFW MODEL 50DR-055**  
**DUAL ROTARY ATTENUATOR**

JFW Industries, Inc.  
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Frequency Range DC-2000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-30 dB in 1 dB steps

VSWR 1.3:1 maximum DC-1000 MHz  
 1.5:1 maximum 1000-2000 MHz

Insertion Loss 0.8 dB maximum

Attenuation Accuracy  $\pm 0.25$  dB or 2% DC-1000 MHz  
 $\pm 0.40$  dB or 3% 1000-2000 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\* SMA, BNC, TNC, RPT, N or 4.1/9.5 Mini-DIN  
 female  
 RPT female = Reverse Polarity TNC female  
 (female body/male pin)

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

Lifetime 500,000 attenuation steps (each knob)

Knob/Panel Mounting Drawing 092-8435-02

Outline Drawings 092-1748 (50DR-055 SMA)  
 092-5760 (50DR-055 BNC)  
 092-6720 (50DR-055 N)  
 092-6733 (50DR-055 RPT)  
 092-8367 (50DR-055 4.1/9.5)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
15655	04/09/2008	C	TRS 04/09/2008	25572	07/28/2015	F	TRS 07/28/2015
19163	09/22/2010	D	TRS 09/22/2010	25776	09/28/2015	G	TRS 09/29/2015
19178	09/28/2010	E	TRS 09/28/2010	28157	10/05/2017	H	TRS 10/05/2017