

**SPECIFICATION SHEET**  
**JFW MODEL 50HF-XXX-25/18**  
**FIXED ATTENUATOR**

JFW Industries, Inc.  
 Phone: 317-887-1340  
 sales@jfwindustries.com  
 www.jfwindustries.com

Frequency Range	DC-18 GHz			
Impedance	50 Ohms nominal			
Attenuation Values*	3, 6, 10, 20, 30 and 40 dB			
VSWR	1.2:1 maximum	DC-6 GHz		
	1.3:1 maximum	6-12.4 GHz		
	1.4:1 maximum	12.4-18 GHz		
Attenuation Accuracy		DC-6GHz	6-12.4GHz	12.4-18GHz
	3-6dB	±0.3 dB	±0.5 dB	±0.75 dB
	7-20dB	±0.5 dB	±0.75 dB	±1.0 dB
	21-30dB	±0.75 dB	±1.0 dB	±1.25 dB
	31-40dB	±1.0 dB	±1.25 dB	±1.5 dB
RF Input Power	25 Watts average @ +25°C derated linearly to 5 Watts @ +125°C			
Peak Power	500 Watts peak (5 microsecond pulse, 0.05% duty cycle)			
RF Connector	N, SMA or TNC			
Operating Temperature Range	-65°C to +125°C			
Physical Size	See outline drawing 092-2301			

\* Example model numbers:

50HF-003-25/18SMA	3dB, SMA male/female
50HF-010-25/18SMA	10dB, SMA male/female
50HF-020-25/18N	20dB, N male/female
50HF-030-25/18N	30dB, N male/female

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
607	10/02/1996	B		4478	02/17/2004	E	CLV 02/17/2004
964	02/09/1998	C		15008	11/29/2007	F	SMR 11/29/2007
2929	03/18/2002	D		21249	02/13/2012	G	TRS 02/13/2012