

DC-6GHz 1KW POWER ATTENUATOR



- Ultra high power 1KW CW and 10K Peak
- Ultra high peak power 10KW (5us)
- Wide band operation
- Low VSWR and flat response
- Air cooling system required
- Applications: Broadcasting, defence, radar communication

	Electrical Specific	cations	
Frequency Range:	DC-6.0GHz	VSWR max.	1.35 : 1
Power handle	1KW(CW) 25°C only 10KW (Peak) (5us pulse 20% duty cycle	Attenuation	40/50dB +/-1.8dB
	Mechanical and Environmen	tal Specifications	•
Operation Temp:	-55°C to 125°C	Storage Temp:	-55°C to 125°C
Connector:	N, EIA 7/8", 7/16		822×130×130mm
Weight:	32Kg		32.36" × 5.12" × 5.12"
Operation Instruction:	 Connect input and output of attenuator to 50Ω impedance system. Turn on air cooling FAN and verify the FAN is working properly. Turn on system power. If possible, start from lower power, and increase the power step by step. Before disconnect the attenuator, make sure turn off all the power (RF power and DC power) first. Keep the air cooling FAN running until the attenuator case temperature reach room temperature. One time operation should not exceed 10 minutes at 1KW CW power. 		
WARRNING:	 Input average power must be lower than specified average power or 10KW peak (5us pulse) This is directional attenuator. DO NOT CONNECT output port to input. The unit is designed for Indoor application only, prevent all shock, vibration and humidity. 		
MAINTAINANCE	1. Check input and output impedance before each time operation. The impedance should within $50\Omega\pm2\Omega$. 2. Check cooling oil regularly in every 500 hours. Cooling oil color should be light yellow. If oil color turn to black or dark brown, it may be contaminated. Then the oil need to be replaced. (Only apply to oil cooling unit) 3. Clean input and output connector by alcohol regularly.		

RF-LAMBDA INC.

www.rflambda.com

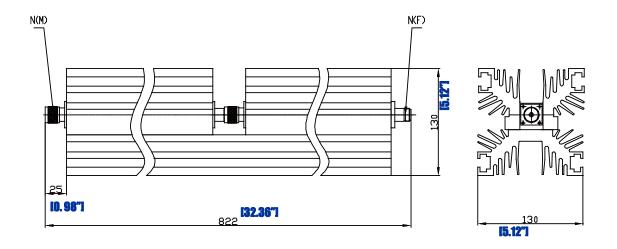
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1 Start 100 kHz

E5071C Network Analyzer 1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State Fr1 S11 SWR 200.0m/ Ref 1.000 [F2] Tr3 S21 Log Mag 10.00dB/ Ref 0.000dB [F2] 100.00000 kHz 1.1328 100.00000 kHz 1.1328 3.0000000 GHz 1.0630 5.9400010 GHz 1.0334 6.0000000 GHz 1.0249 100.00000 kHz -48,418 GB 100.00000 kHz -48,418 GB 3.0000000 GHz -51.553 GB 6.0000000 GHz -51.553 dB Print 2.800 Abort Printing 2.400 Printer Setup... 2.200 2.000 Invert Image 1.800 1.600 1.400 Multiport Test Set 1.200 1.000 Misc Setup Tr2 S12 Log Mag 10.00dB/ Ref 0.000dB [F2] Tr4 S22 SWR 200.0m/ Ref 1.000 [F2] 200.007 Ret 1.000 [F2] 100.00000 kHz -48.373 dB 100.00000 kHz -48.373 dB 3.000000 GHz -50.398 dB 5.0400010 GHz -51.721 dB 6.000000 GHz -51.997 dB 100.00000 kHz 1.0020 100.00000 kHz 1.0020 3.000000 GHz -1.1040 5.9400010 GHz -1.1673 6.000000 GHz 1.1817 20.00 Backlight 10.00 Firmware 0.000) Revision -10.00 Service Menu -20.00 -30.00 Help -40.00 Return -50.00 -60.00 -80.00

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IFBW 100 Hz

Meas

Technical: support@rflambda.com