RF-LAMBDA

5KW ATTENUATOR

ULTRA HIGH POWER 5000W CW ATTENUATOR DC-1GHz RFS5KG1

- Ultra high power 5KW CW and 100K Peak
- Ultra high peak power 100KW (5us)
- Wide band operation
- Low VSWR and flat response
- Air cooling + Oil cooling system
- Applications: Broadcasting, defence, radar communication

Electrical Specifications			
Frequency Range:	DC-1.0GHz	**VSWR max.**	1.40 : 1
Power handle	5KW (CW)	**Peak Power**	100KW (5us pulse)
Mechanical and Environmental Specifications			
Operation Temperature:	-40°C to 50°C	**Accuracy**	30dB, 40dB, 50dB ± 1.0
Connector:	L27, L29, L36, L52, EIA 5/8"	**Dimension: (Include connector)**	870×330×910mm 34.25"x12.99"x35.83""
Weight:	110Kg / 242 lb.		
Operation Instruction:	1. Connect input and output of attenuator to 50Ω impedance system. 2. Turn on air cooling FAN and verify the FAN is working properly. 3. Turn on system power. If possible, start from lower power, and increase the power step by step. 4. Before disconnect the attenuator, make sure turn off all the power (RF power and DC power) first. 5. Keep the air cooling FAN running until the attenuator case temperature reach room temperature.		
WARRNING:	1. Input average power must be < 5KW CW or 100KW peak (5us pulse) 2. This is directional attenuator. DO NOT CONNECT output port to input. 3. 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 50Ω±2Ω. 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. 3. Clean input and output connector by alcohol regularly.		

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