

HXAT1091G Digital Attenuator

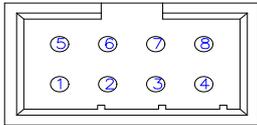
1. Description

ID	Items	Specifications
1-1	Type	Digital Attenuator
1-2	Frequency Range	100KHz ~ 20GHz
1-3	Attenuation Range	0 ~ 31.5dB
1-4	Control Step Size	0.5dB
1-5	Attenuation Accuracy	$\leq \pm 1.0\text{dB}$
1-6	Insertion Loss	$\leq 3.5\text{dB}@6\text{GHz}$ $\leq 4.5\text{dB}@12\text{GHz}$ $\leq 5.0\text{dB}@20\text{GHz}$
1-7	VSWR	≤ 2.0
1-8	Impedance	50 Ω
1-9	RF Input Power	24dBm
1-10	Switching Speed	$\leq 50\text{ns}$
1-11	Input/Output Connectors	SMA-F
1-12	Control Connectors	JL24-8ZJW
1-13	Control	TTL=0V/3.3V ~ 5V
1-14	DC Power Supply	+5V/ $\leq 50\text{mA}$

2. Environmental Specifications

ID	Items	Specifications
2-1	Operational Temperature	-40°C ~ +70°C
2-2	Storage Temperature	-55°C ~ +85°C

3. Interface

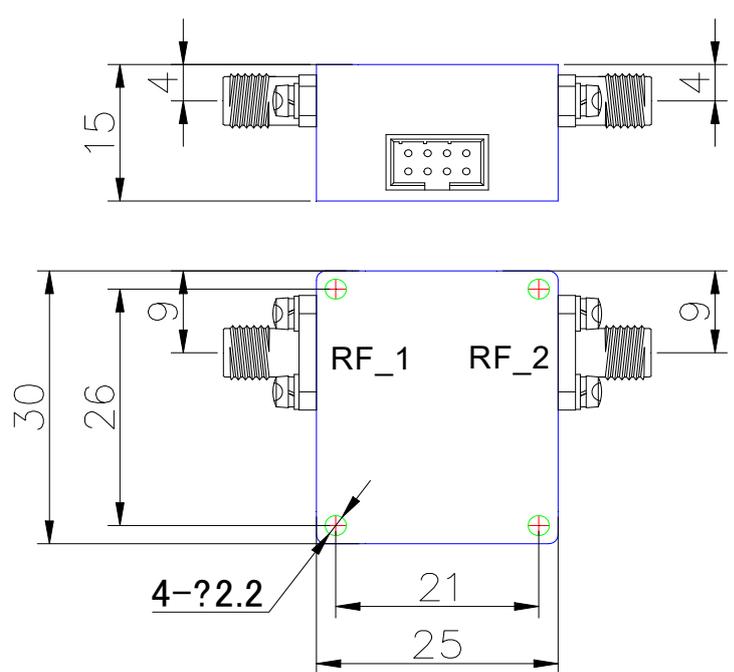
ID	Items	Specifications
3-1	Control Connectors	JL24-8ZJW
		
3-2	NO	Specifications
	1	+5V
	2	GND
	3	D1
	4	D2
	5	D3
	6	D4
	7	D5

	8	D6
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4. Truth Table

ID	D1	D2	D3	D4	D5	D6	Attenuation Value
4-1	0	0	0	0	0	0	0dB
	1	0	0	0	0	0	0.5dB
	0	1	0	0	0	0	1dB
	0	0	1	0	0	0	2dB
	0	0	0	1	0	0	4dB
	0	0	0	0	1	0	8dB
	0	0	0	0	0	1	16dB
	1	1	1	1	1	1	31.5dB

5. Outline Drawing

ID	Items	Specifications
5-1	Outline Drawing	Unit: mm
Tolerances:±0.1mm		
		
5-2	Material	Aluminum
5-3	Finished	Nickel Plated
5-4	Weight	≤40g

6. Packing List

ID	Packing List	QTY
6-1	JL24-8TKH	1

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.