

HXAT2091G Digital Attenuator

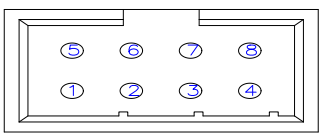
1. Description

ID	Items	Specifications
1-1	Type	Digital Attenuator
1-2	Frequency Range	DC ~ 40GHz
1-3	Attenuation Range	0 ~ 31.5dB
1-4	Control Step Size	0.5dB
1-5	Attenuation Accuracy	≤1.5dB
1-6	Insertion Loss	≤6.5dB@20GHz ≤8.5dB@40GHz
1-7	VSWR	≤3.0
1-8	Impedance	50Ω
1-9	RF Input Power	25dBm
1-10	Switching Speed	≤50ns
1-11	Input/Output Connectors	SMA-F
1-12	Control Connectors	JL24-8ZJW (Mating Outlet JL24-8TKH)
1-13	Control	TTL=0 ~ 0.8V/3.3 ~ 5V
1-14	DC Power Supply	+5V/≤50mA

2. Environmental Specifications

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

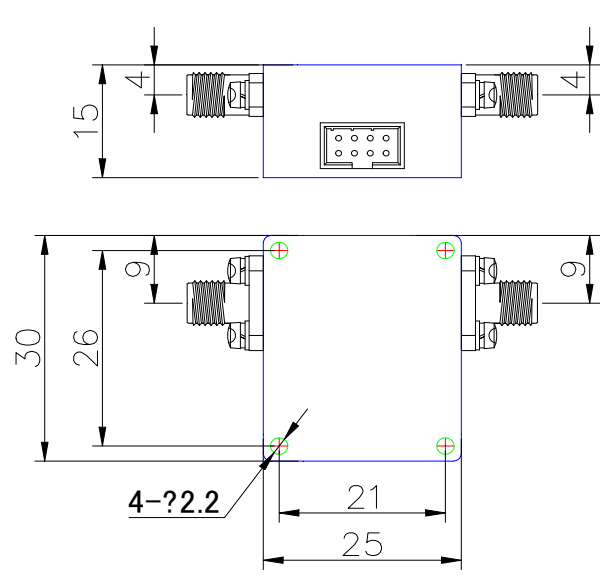
3. Interface

ID	Items	Specifications
3-1	Control Connectors	JL24-8ZJW
		
3-2	NO	Specifications
	1	+5V
	2	GND
	3	A1
	4	A2
	5	A3
	6	A4
	7	A5
	8	A6

4. Truth Table

ID	A1	A2	A3	A4	A5	A6	Attenuation Value
4-1	0	0	0	0	0	0	Reference
	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		
 <p>The drawing shows two views of a rectangular component. The top view shows a central rectangular area with a blue border, containing a small square with six dots. Dimensions include a total width of 25 mm, a central width of 21 mm, and a total height of 30 mm. Two circular features are positioned on the top edge, each with a diameter of 4 mm and a distance of 9 mm from the top edge. A detail callout '4-?2.2' points to a corner. The bottom view shows the component's profile with a total height of 15 mm and a width of 4 mm at the top edge.</p>		
5-2	Material	Aluminum
5-3	Finished	Natural Color
5-4	Weight	40g

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