AD-USB64AR38G95

USB/Ethernet Programmable RF Attenuator

64-Channels, 95dB, 8Ghz, 0.25dB Step size

Specifications

Attenuation Step Size (dB)	0.25				
Number of individually controlled RF chains	64				
Enclosure	5U Rackmount				
Operating Frequency (Mhz)	50 – 8,000				
Attenuation Range (dB)	0 - 95				
Input 0.1dB Compression Power (dBm)	34				
Impedance (Ω)	50				
IP3 Input (dBm)[1]	+58				
Attenuation Accuracy (dB)	**Frequency**	**Conditions**	**Typical**	**Max**	
	50 – 2000 Mhz	0.25 – 20	± 0.25	± (5.5% of Atten. + 0.25)	
		20.25 – 60	± 0.50	± (2.0% of Atten. + 0.90)	
		60.25 – 90	± 0.75	± (3.5% of Atten. + 0.70)	
	2000 – 4000 Mhz	0.25 – 20	± 0.20	± (5.5% of Atten. + 0.25)	
		20.25 – 60	± 0.30	± (2.0% of Atten. + 0.70)	
		60.25 – 90	± 0.40	± (3.0% of Atten. + 0.90)	
	4000 – 6000 Mhz	0.25 – 20	± 0.15	± (6.5% of Atten. + 0.15)	
		20.25 – 60	± 0.35	± (3.5% of Atten. + 0.45)	
		60.25 – 90	± 0.65	± (3.5% of Atten. + 0.90)	
	6000 – 8000 Mhz	0.25 – 20	± 0.20	± (6.5% of Atten. + 0.45)	
		20.25 – 60	± 0.40	± (6.7% of Atten. + 0.55)	
		60.25 – 90	± 0.70	± (7.0% of Atten. + 0.90)	
Dwell Time per Channel (µsec)[2]	1ms				
Min. Dwell Time for all Channels (µsec)[3]	2ms				
Attenuation Transition Time (ns)[4]	425				
VSWR	< 2.0 : 1 (all states)				
Max Input RF Power (dBm)	+28				
Power Source	AC/DC Adapter (5V / 3A)				
Power Use (A)	0.712				
Operating Temperature (°C)	0 to 40				
Communication[6]	USB (Hybrid Serial COM Port and HID) Ethernet (Telnet, HTTP, HTTP Web GUI, DHCP & Static IP)				
Interchain Isolation (Chain-to-chain isolation)(dB)	>110				
External Isolation (dB)	>110				
Insertion Loss (dB)		**Typical**	**Max**		
	50 Mhz	5.6	6.4		
	2400 Mhz	6.7	7.5		
	6000 Mhz	9.1	9.5		
	8000 Mhz	10.9	12.4		

[A] Exceeding absolute maximum ratings may cause permanent damage. Operation should be restricted to the limits in the Operating Ranges table. Operation between operating range maximum and absolute maximum for extended periods may reduce reliability.
[B] Attenuator RF ports are interchangeable bidirectional signal transmission.
[1] Tested with 10 kHz span between signals.
[2] Dwell Time per Channel is the time the will take an individual attenuator channel to transition to a new attenuation state (without PC communication delays).
[3] Minimum Dwell Time for All Channels is the time it takes all channels to transition to a new attenuation state (without PC communication delays).
[4] Attenuation Transition Time is the time it takes an attenuator to reach a new attenuation state.
[5] USB support for simultaneous HID and Serial connections.

Adaura Technologies
adauratech.com
3017 Douglas Boulevard, Suite 300, Roseville, CA 95661, United States
T: (916) 970-7010 | sales@adauratech.com

AD-USB64AR38G95

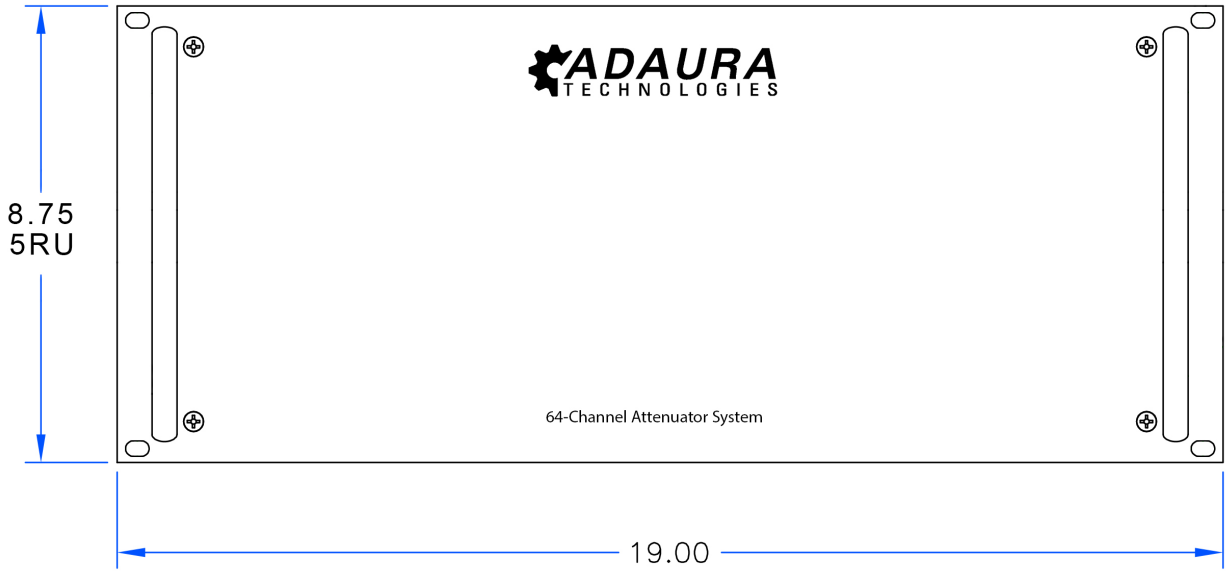
USB/Ethernet Programmable RF Attenuator

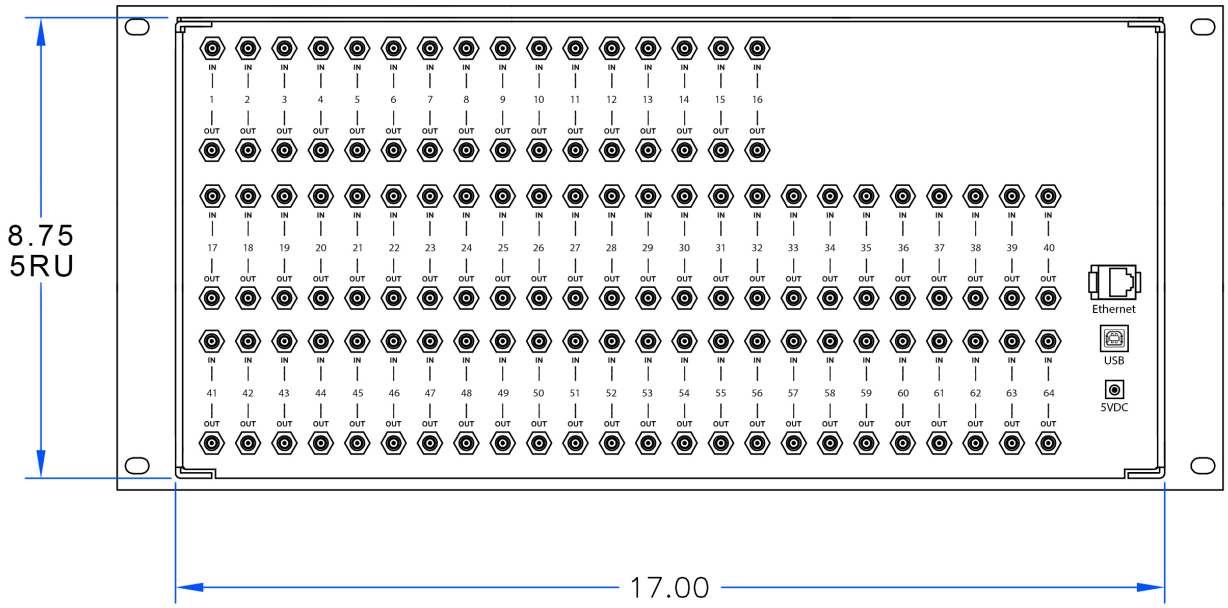
64-Channels, 95dB, 8Ghz, 0.25dB Step size

Drawing

- Units in inches (in)
- Depth: 22.00

FRONT VIEW





REAR VIEW

Adaura Technologies
adauratech.com
3017 Douglas Boulevard, Suite 300, Roseville, CA 95661, United States
T: (916) 970-7010 | sales@adauratech.com