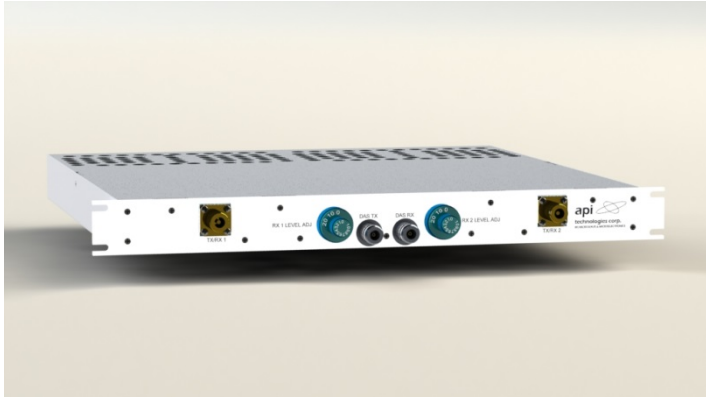


DAS AWS/PCS Variable Attenuator Tray



Features

- Provides a single connection point for cellular base stations in either AWS or PCS spectrum
- Integrated variable step attenuation for each Rx (UL) channel
- Adjustment range of 30 dB with 1 dB increments
- Passive DAS assembly without external power requirements

API's DAS AWS/PCS Variable Attenuator Tray provides a single connection point when using single or multiple base stations by standardizing the connection between the BTS and the DAS head-end equipment and improving the uplink signal with minimal impact to the receive signal. API's AWS/PCS Variable Attenuator Tray provides integrated variable step attenuation in each Rx (UL) path with an adjustment range of 30 dB with 1 dB increments.

Technical Specifications

RF Electrical	Typical Specifications	
Frequency Range: AWS / PCS	AWS UL: 1710 – 1755 MHz DL: 2110 – 2155 MHz	PCS UL: 1850 – 1910 MHz DL: 1930 – 1990 MHz
DL (TX) Loss	20.0 ±1 dB (17 dB cable attenuator installed. Other attenuation levels available upon request)	
UL (RX) Loss	4 – 34 dB in 1 dB steps	
Return Loss (VSWR)	-18 dB (1.3:1)	
Input power	80 Watts per Input Port	
PIM3	< -145 dBc	

Mechanical	Specification
Connectors	Type N-Female
Dimensions	Standard 1 RU 19" rack mount Actual dim: 1.75" (H) 19" (W) 17.25" (D)
Operational Temp	0°C to +50°C
Mounting	1 RU Rack (front mount ears)
Finish	White Epoxy Paint (Rack Panel only)

DAS AWS/PCS Variable Attenuator Tray

Front Panel:



Functional Block Diagram:

Block Diagram:

