

# Yantel VAB & VAS is well applied to DAS and POI

## Yantel Rotary/ Switch Variable Attenuator

China Patent NO. : ZL 2008 1 0144258.3

USA Patent NO. : US 8,476,544 B2

Japan Patent NO. : 特愿 2011-524168

Taiwan Patent NO.: 發明第 I 393347 號



**VAB1101SS\***

Frequency: DC – 2.7 GHz  
Power Rating: 2W or 5W  
Attenuation: 0 – 11 dB  
Step Value: 1 dB  
Insertion loss: <0.4 dB  
Attenuation Accuracy:  $\pm 0.5$  dB  
VSWR:  $\leq 1.3$   
Size: 38.2\*38.2\*32.4mm  
Mass production has been arranged;  
40%-50% price lower than other  
manufacturers'.



**VAB3101SS\***

Frequency: DC – 2.7 GHz  
Power Rating: 2W or 5W  
Attenuation: 0 – 31 dB  
Step Value: 1 dB  
Insertion loss: <0.65 dB  
Attenuation Accuracy:  $\pm 0.6$  dB  
VSWR:  $\leq 1.3$   
Size: 32\*34\*57.2mm  
Mass production has been arranged;  
40%-50% price lower than other  
manufacturers'.



**VAB3101SF\***

Frequency: DC – 2.7 GHz  
Power Rating: 2W or 5W  
Attenuation: 0 – 31 dB  
Step Value: 1 dB  
Insertion loss: <0.5 dB  
Attenuation Accuracy:  $\pm 0.6$  dB  
VSWR:  $\leq 1.25$   
Size: 32\*39\*80mm  
Mass production has been arranged;  
40%-50% price lower than other  
manufacturers'.



**VAS061501SA\*/VAS063501SA\***

Frequency: DC – 4 GHz  
Power Rating: 2W or 5W  
Attenuation: 0 – 15,35 dB  
Step Value: 1 dB  
Insertion loss: <1 dB  
Attenuation Accuracy:  $\pm 1$  dB  
VSWR:  $\leq 1.35$   
Size: 23\*65.5\*10.5mm  
Mass production has been arranged;  
40%-50% price lower than other  
manufacturers'.

Application

## DAS Interface Panel for DAS and POI



Application

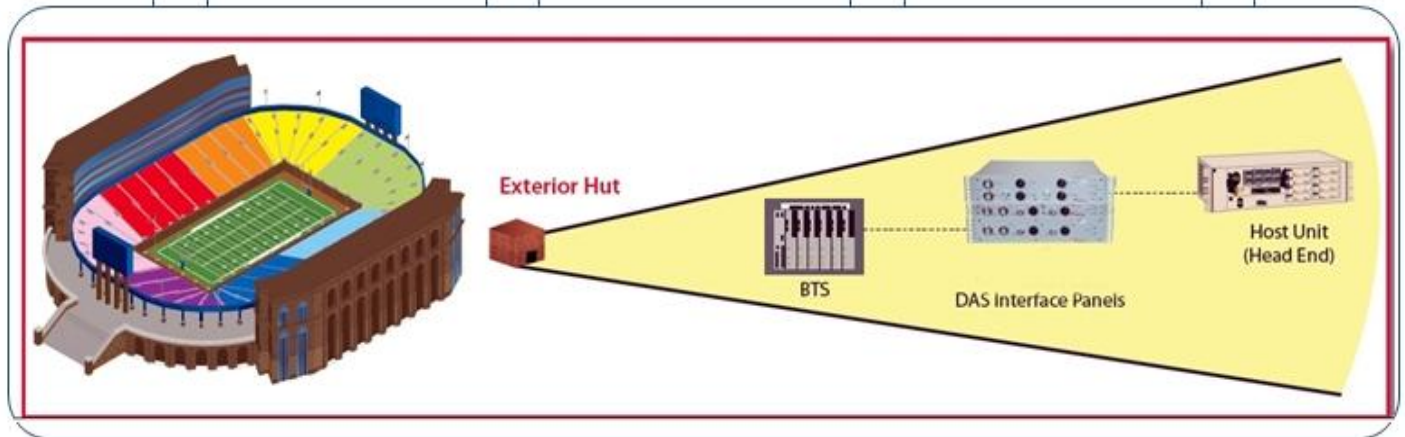
Design Win: VAB1101 VAB3101

Advantage: directly replace traditional  
variable attenuation

Design Win: VAS061501 VAS063501

Advantage: hotswitchable, no sudden  
reflection change

## Wireless Signal Coverage in Offices/Hotel/Venues,etc.



### Yantel Product Advantage

#### Cost Advantage:

- With innovative Technology, Yantel VAB/VAS cost is about 30%--40% lower than other manufacturers'.

#### Performance Advantage:

- Ultra small size
- Extraordinary RF Performance, wide Attenuation range , low VSWR, high attenuation accuracy.
- Visually clear about attenuation and easy adjustment
- Wide Frequency Range(DC-3GHz, DC-6GHz)
- Power: 2W, 5W
- Impedance: 50Ω, 75Ω
- Attenuation Range: 0-11dB, 0-31dB
- Series: Rotary type (VAB) & Switch type (VAS)
- VAS (Switch Step Variable Attenuator) is hot-switchable, meaning attenuation can be changed on the fly without powering down the system, allowing test data to be read continuously.

- VAB (Dual Concentric Type-2W, 5W) is available, especially 5W is unique, satisfying the higher power need of telecom operators . Besides, it can directly replace traditional dual dial attenuators for its similar size and format.
- Connector Type: SMA/N/F/BNC
- Connector mount type : rear/ end/ top mounting positions
- Quick delivery

#### Application:

• DAS	• POI	• Lab Test
• DAS Interface Panel/DAS Tray	• Small、 mini repeater	• Active/Passive repeater

#### DAS POI Successful Design-in:

Widely used in the coverage systems for 2012 London Olympic Stadiums as well as Main Stadiums, European Metro projects Office Building and Venues, etc.

#### DAS POI Customers:

Axell Wireless、Microlab 、Comba