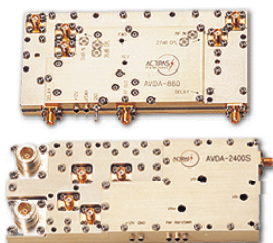


## VSWR Detector



### ▶ Description

- COMPACT DESIGN
- DUAL MONITORING COUPLER
- LOW INSERTION LOSS
- HIGH COUPLER ISOLATION
- VSWR ALARM

800MHz VSWR Detector for CDMA 2000, located at output port of LPA(Linear Power Amplifier) for CDMA 2000, normally operates "Forward Power", which is outputted from the amplifier, through 27dB Coupler, 13dB Coupler, 35dB Coupler Isolator, and prevents LPA from being damaged when upstreamed current "Reverse Power" reflected from the "isolator". It functions as a Correction 13dB Coupler, settled at LPA for "Feed-Forward", and also makes it possible to operate as a watcher for the System because VSWR alarm is turn on when "reflection wave" is generated over the standard level by detecting "Reverse Power".

### ▶ Specifications

Model No.	AVDA - 880	AVDA - 881	Remark
Operating Frequency [MHz]	869 ~ 894		
Insertion Loss	0.2dBmax.. for Port 4 -> Port 5 0.6dBmax.. for Port 8 -> Port 6		
Flatness	0.2dBmax.. @ Port 8 -> Port 6, Port1 -> 6, 855 ~ 910MHz		
Coupling coefficient	13dab ±0.5dB for coupler 9		
	27dab ±0.5dB for coupler 12		
	35dab ±1.0dB for coupler 10		
	35dab ±1.0dB for coupler 11		
Isolation of coupler	33dB min.. for coupler 9(Port 8 -> Port 1)		
	45dB min.. for coupler 12(Port 5-> Port 3)		
In/Output isolation	20dB min.. for port 6 -> Port 8		
Return loss	15dB min.. @ port 2,7		
	25dB min.. @ port 1		
	20dB min.. @ Other port		
VSWR Alarm output	6dB ± 2dB, 35dBm P out 48dBm Alarm: High(+5V), Normal(GND)		
RF Power Capacity	Forward power 75watts min.		
	Reverse power 20watts min.		
Supplying Voltage	+12 Vdc 100mA		

\* The specification can be modified upon buyer's requests.

\* All specifications are subject to change without notice.

\* The latest specifications are available at [www.actipass.com](http://www.actipass.com)