

Actipass Co., Ltd.

451, Hagal-Dong, Giheung-Gu, Yongin-Si, Kyunggi-Do, Korea

TEL : 82-31-201-7589 FAX : 82-31-204-7502

E-Mail : steve@actipass.com / actipass@actipass.com www.actipass.com

High Power Amplifier (HPA)



Description

- HIGH RELIABILITY
- VARIOUS ALARM REPORTS
- BEST PRICE VERSUS PERFORMANCE
- INCLUDING INTERNAL EEP-ROM INVENTORY
- REMOTE STATUS MONITORING USING RS422 COMMUNICATION LINK

The AHA series is specially designed for CDMA single carrier transmit band operation. Products are available for RF output power levels ranging from 2Watts to 40Watts. Cellular, GSM, IMT-2000 and other band HPA are available

Specifications

Mode No.	AHA - 8003330	AHA - 18004350	AHA - 19004350	AHA - 8004450
Frequency Range[MHz]	824 ~ 849	1860 ~ 1870	US PCS Band	869 ~ 894
Output Power[W]	2(AVG)	20(AVG)	20(AVG)	25(AVG)
Gain[dB]	30±1	50±1.5	50±1.5	50±1.5
Gain Flatness[dB]	±1max.	±0.2 over any 2MHz	±0.2 over any 2MHz	±0.2 over any 2MHz
Inter Modulation Distortion	±750KHz, 30KHz RBW:-29dBc ±1.98MHz, 30KHz RBW:-44dBc	±855Hz, 30KHz RBW:- 32dBc ±1.25MHz, 12.5KHz RBW:-37dBc ±2.25MHz, 1MHz RBW:- 48dBc	±855Hz, 30KHz RBW:- 32dBc ±1.25MHz, 12.5KHz RBW:-37dBc ±2.25MHz, 1MHz RBW:- 48dBc	±705KHz, 30KHz RBW:-29dBc ±1.98MHz, 12.5KHz RBW:- 45dBc
VSWR	2 : 1max.	1.5 : 1max.	1.5 : 1max.	1.5 : 1max.
DC Power[Vdc/A]	+12 / 3	+27 / 7.5	+27 / 7.5	+27 / 8.0
Connector	SMA(F)	SMA(F)	SMA(F)	SMA(F)
Sampling Port[dB]	-	40±2, SMA(F)	40±2, SMA(F)	40±2, SMA(F)
Operating Temperature[°C]	-20~ +80	-35 ~+50		
Size(WxLxH),[mm(inch)]	122x85x20 (4.82x3.35x0.79)	203.2x116.8x38 (8.00x4.60x1.50)		
Alarm & Control Function	MUTE: (Input signal shut down) Input power adjustable: (Gain variation control) Forward power monitor: (2.5±0.5v@33dBm)	<ul style="list-style-type: none"> - Temperature compensation and over temperature alarm - Over power warning and over power shut down alarm - VSWR and DC fault alarm - RF enable & disable report 		

Actipass Co., Ltd.

451, Hagal-Dong, Giheung-Gu, Yongin-Si, Kyunggi-Do, Korea

TEL : 82-31-201-7589 FAX : 82-31-204-7502

E-Mail : steve@actipass.com / actipass@actipass.com www.actipass.com

Model No.	AHA - 900G3640	AHA - 900G3940	AHA - 1800G3640	AHA - 900G4640
Frequency Range[MHz]	935 ~960	935 ~ 960	1805 ~ 1880	935 ~ 960
Output Power[W]	4 (Peak)	8 (Peak)	4 (Peak)	40 (Peak)
Gain[dB]	40±1	40±1	40±1	45±1
Gain Flatness[dB]	±1max.	±1max.	±1max.	±1max.
Gain Variation[dB]	±2max.	±2max.	±2max.	±2max.
VSWR	2 : 1max.	2 : 1max.	2 : 1max.	2 : 1max.
DC Power[Vdc / A]	+27 / 2 max.	+27 / 3max.	+27 / 2 max.	+27 / 6max.
Noise Figure[dB]	5	5	5	-
Connector	SMA(F)	SMA(F)	SMA(F)	SMA(F)
P1dB[dBm]	+36min.	+39min.	+36min.	+46min.
PIP3[dBm]	+46min.	+49min.	+46min.	+56min.
Sampling Port[dB]	30±1, SMA(F)	30±1, SMA(F)	30±1, SMA(F)	30±1, SMA(F)
Operating Temperature[°C]	-20 ~ +50			
Size(WxLxH) , [mm(inch)]	130x90x20(5.12x3.54x0.78)			150x110x21 (5.90x4.33x0.83)
Alarm	Function Alarm(TTL)			

* 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