

Product Datasheet - Technical Specifications



More information in our Web-Shop at ► www.meilhaus.com and in our download section.

Your contact

**Technical and commercial sales, price information,
quotations, demo/test equipment, consulting:**

Tel.: **+49 - 81 41 - 52 71-0**

FAX: **+49 - 81 41 - 52 71-129**

E-Mail: sales@meilhaus.com

Downloads:

www.meilhaus.com/en/infos/download.htm

Meilhaus Electronic GmbH | Tel. **+49 - 81 41 - 52 71-0**
Am Sonnenlicht 2 | Fax **+49 - 81 41 - 52 71-129**
82239 Alling/Germany | E-Mail sales@meilhaus.com

Mentioned company and product names may be registered trademarks of the respective companies. Prices in Euro plus VAT. Errors and omissions excepted.
© Meilhaus Electronic.

www.meilhaus.de

The 387XX is a broadband solid-state amplifier series that operates between 9 kHz and 110 GHz, provided in an IEC 60297-3-100.2008 standard 4U 19-inch rack mount chassis. It is designed to have broad bandwidth, high gain, high power, wide dynamic range, low spurious signals and extremely load tolerant. These features enable the amplifier to be used as a suited test instrument covering multiple frequency bands. It is suitable for applications such as electronic counter measurement, antenna testing, laboratory instrumentation, and electromagnetic compatibility/electromagnetic interference test, as

well as narrower band applications like radar, microwave imaging, and satellite communications, etc.

The 387XX amplifier incorporates the patented spatial power combining. The amplifier is powered by 220 VAC and is suitable for both rack-mounted applications, such as test and measurement, and benchtop use. The RF inputs and outputs are matched to 50 Ω for ease of use. Driver amplification and bias and gain control are integrated in it.

- 9 kHz to 110 GHz frequency range
- 25 dB to 57 dB typical small signal gain
- 22 dBm to 57 dBm typical saturated output power
- 20 dB gain control range
- Standard 4U 19-inch rack chassis
- 0°C to 50°C operating temperature
- Over-temperature protection
- Overvoltage standing wave ratio protection
- Alarm status communicated via front panel LED and control connector

Number	Model	Frequency	Gain (dB)	P _{1dB} (dBm)Typ.	P _{sat} (dBm)Typ.
1	3871AD	9kHz~250MHz	54	50	51
2	3871AH	80MHz~1GHz	54	50	51
3	3871AA	1GHz~2.5GHz	53	48	50
4	3871AP	1GHz~2.5GHz	53	49	52
5	3871AB	1GHz~6GHz	50	38	45
6	3871AS	500MHz~6GHz	50	40	47
7	3871AT	500MHz~6GHz	50	43	50
8	3871AU	500MHz~6GHz	50	45	52
9	3871DA	6GHz~18GHz	46	42	43
10	3871DB	6GHz~18GHz	50	42	47
11	3871DC	6GHz~18GHz	53	43	50
12	3871EA	18GHz~26.5GHz	43	39	40
13	3871EB	18GHz~26.5GHz	43	42	43
14	3871EC	18GHz~26.5GHz	46	43	50
15	3871FA	26GHz~32GHz	40	36	40
16	3871FC	26GHz~32GHz	40	37	42
17	3871FD	26GHz~32GHz	40	39	44
18	3871FB	32GHz~40GHz	40	36	40
19	3871FE	26GHz~40GHz	43	38	40
20	3871FF	26GHz~40GHz	43	42	43
21	3871FG	26GHz~40GHz	46	45	46
22	3871HA	40GHz~47GHz	40	35	37
23	3871KA	45GHz~60GHz	30	27	30
24	3871LC	40GHz~67GHz	30	27	30
25	3871PB	75GHz~110GHz	25	18	22